ERCB ST88-18

ERCB

Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids, and sulphur

December 1987

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HIGHLIGHTS

RESERVES	1987	1986	Change
Conventional crude oil			
Remaining established (10^6 m^3)	614	635	−21
Initial established (10^6 m^3)	2 195	2 162	+33
Crude bitumen (developed surface-mineable projects)			
Remaining established (10^6 m^3)	511	524	−13
Initial established (10^6 m^3)	644	644	—
Crude bitumen (developed in situ projects)			
Remaining established (10^6 m^3)	62.2	51.5	+10.7
Initial established (10^6 m^3)	84.3	65.9	+18.4
Natural gas[a]			
Remaining established			
Volume (10^{12} m^3)	1.65	1.72	−0.07
Energy (10^{18} J)	64.09	66.96	−2.87
Initial established			
Volume (10^{12} m^3)	3.03	3.03	—
Energy (10^{18} J)	117.45	117.82	−0.37

PRODUCTION

	1987	1986	Change
Conventional crude oil (10^6 m^3)	53.9	53.2	+0.7
Crude bitumen (surface-mineable) (10^6 m^3)	13.0	14.0	−1.0
Crude bitumen (in situ) (10^6 m^3)	7.7	4.7	+3.0
Natural gas[b]			
Volumes (10^9 m^3)	68.4	69.9	−1.5

[a] Volumes are on an actual heating value basis.

[b] The official net production of natural gas is reported in ERCB ST 88-17 (see Chapter 4, section 4.9 of this report).

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PREFACE

This is the principal report of the Energy Resources Conservation Board on Alberta's reserves of conventional crude oil, bitumen, synthetic crude oil, gas, natural gas liquids, and sulphur; it includes estimates of initial and remaining established reserves and ultimate potential. It is updated annually from the Board's records, and this edition reflects changes that have occurred to the end of 1987. The information in Tables 2-4 and 4-5 and more detailed information on the reserves of gas pools are available on magnetic tape. The gas-reserve details will also be available on COM-microfiche (ERCB ST 88-35).

General enquiries respecting this report should be directed to L. A. Samson. Enquiries respecting specific sections should be directed as follows:

Chapter	Co-ordinators, Department	
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2	A. Burrowes, Oil	297-8566
3	W. A. Mayer, Oil Sands	297-2883
5, 6, and 7	H. L. Longworth, Gas	297-8502

The Board gratefully acknowledges the work of these staff members and many others in preparing this report.

1 TERMINOLOGY

1.1 SI UNITS

Alberta's Reserves of Crude Oil, Oil Sands, Gas, Natural Gas Liquids, and Sulphur are presented in the International System of Units (SI). The provincial totals and a few other major totals are shown in both SI units and the imperial equivalents in the various tables.

Conversion factors used in calculating the imperial equivalents are listed below:

1 cubic metre of gas (101.325 kilopascals and 15° Celsius)	= 35.493 73 cubic feet of gas (14.65 psia and 60° Fahrenheit)
1 cubic metre of ethane (equilibrium pressure and 15° Celsius)	= 6.33 Canadian barrels of ethane (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of butanes (equilibrium pressure and 15° Celsius)	= 6.296 8 Canadian barrels of butanes (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of propane (equilibrium pressure and 15° Celsius)	= 6.300 0 Canadian barrels of propane (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of oil or pentanes plus (equilibrium pressure and 15° Celsius)	= 6.292 9 Canadian barrels of oil or pentanes plus (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of water (equilibrium pressure and 15° Celsius)	= 6.290 1 Canadian barrels of water (equilibrium pressure and 60° Fahrenheit)
1 tonne	= 0.984 206 4 (U.K.) long tons (2240 pounds)
1 tonne	= 1.102 311 short tons (2000 pounds)
1 kilojoule	= 0.948 213 3 British thermal units (Btu as defined in the federal Gas Inspection Act (60°-61° Fahrenheit))

1.2 RESERVES TERMINOLOGY

The reserves terminology used in this report applies to all fossil energy resources (including coal) and is as follows:

1 **Initial Volume in Place:** The gross volume of crude oil, crude bitumen, or raw natural gas calculated or interpreted to exist in a reservoir before any volume has been produced.

2 **Established Reserves:** Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing, or production; plus that judgement portion of contiguous recoverable reserves that are interpreted from geological, geophysical, or similar information, with reasonable certainty to exist.

3 **Initial Established Reserves:** Established reserves prior to the deduction of any production.

4 **Remaining Established Reserves:** Initial established reserves less cumulative production.

5 **Ultimate Potential:** An estimate of the initial established reserves that will have been developed in an area by the time all exploratory and development activity has ceased, having regard for the geological prospects of that area and anticipated technology and economic conditions.

Ultimate potential includes cumulative production, remaining established reserves, and future additions through extensions and revisions to existing pools and the discovery of new pools. Ultimate potential can be expressed by the following simple formula:

Ultimate potential = initial established reserves
+ additions to existing pools
+ future discoveries.

The above terminology and definitions, which were recommended by the Inter-Provincial Advisory Committee on Energy, have been adopted by the Board.

1.3 DEFINITIONS OF OTHER TERMS

Area	The area used to determine the bulk rock volume of the oil-, crude bitumen-, or gas-bearing reservoir, usually the area of the zero isopach or the assigned area of a pool or deposit.
Butanes	In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus. (Oil and Gas Conservation Act, section 1(1)(c.1))
Compressibility Factor	A correction factor for non-ideal gas determined for gas from a pool at its initial reservoir pressure and temperature and, where necessary, including factors to correct for acid gases.
Condensate	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or recoverable through a well from an underground reservoir and that may be gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(d.1))
Crude Bitumen	A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well. (Oil Sands Conservation Act, section 1(1)(c))
Crude Oil (Conventional)	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir, and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so recovered or recoverable except raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(f.1))
Crude Oil (Heavy)	Crude oil will be deemed to be heavy crude oil if it has a density of 900 kg/m^3 or more, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. (Oil and Gas Conservation Regulations 10.030)
Crude Oil (Light-medium)	Crude oil will be deemed to be light-medium crude oil if it has a density of less than 900 kg/m^3, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. The light-medium classification is synonymous with the light classification referred to in ERCB Report 85-A, Alberta Oil Supply, 1985-2010.
Crude Oil (Synthetic)	A mixture, mainly of pentanes and heavier hydrocarbons, that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived. (Oil and Gas Conservation Act, section 1(1)(t.1))
Density	The mass or amount of matter per unit volume.
Density, Relative (Raw Gas)	The density, relative to air, of raw gas upon discovery, determined by an analysis of a gas sample representative of a pool under atmospheric conditions.
Discovery Year	The year in which the well that discovered the oil or gas pool finished drilling.

Ethane In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane.

(Oil and Gas Conservation Act, section 1(1)(h.1))

Gas Raw gas or marketable gas or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and that is gaseous at the conditions under which its volume is measured or estimated.

(Oil and Gas Conservation Act, section 1(1)(j.1))

Gas (Associated) Gas in a free state in communication in a reservoir with crude oil, under initial reservoir conditions.

Gas (Marketable) A mixture mainly of methane originating from raw gas, if necessary through the processing of the raw gas for the removal or partial removal of some constituents, and which meets specifications for use as a domestic, commercial, or industrial fuel or as an industrial raw material.

(Oil and Gas Conservation Act, section 1(1)(m))

Gas (Marketable at 101.325 kPa and 15°C) The equivalent volume of marketable gas at standard conditions.

Gas (Non-associated) Gas that is not in communication in a reservoir with an accumulation of liquid hydrocarbons at initial reservoir conditions.

Gas (Raw) A mixture containing methane, other paraffinic hydrocarbons, nitrogen, carbon dioxide, hydrogen sulphide, helium, and minor impurities, or some of them, which is recovered or is recoverable at a well from an underground reservoir and which is gaseous at the conditions under which its volume is measured or estimated.

(Oil and Gas Conservation Act, section 1(1)(s.1))

Gas (Solution) Gas that is dissolved in crude oil under reservoir conditions and evolves as a result of pressure and temperature changes.

Gas-Oil Ratio (Initial Solution) The volume of gas (in cubic metres, measured under standard conditions) contained in one stock-tank cubic metre of oil under initial reservoir conditions.

Good Production Practice (GPP) Production of crude oil or raw gas at a rate

(i) not governed by a base allowable, but

(ii) limited to what can be produced without adversely and significantly affecting conservation, the prevention of waste, or the opportunity of each owner in the pool to obtain his share of production.

(Oil and Gas Conservation Regulation 1.020(2)9)

This practice is authorized by the Board either to improve the economics of production from a pool and thus defer its abandonment, or to avoid unnecessary administrative expense associated with regulation or production restrictions where this serves little or no purpose.

Gross Heating Value (of dry gas) The heat liberated by burning moisture-free gas at standard conditions and condensing the water vapour to a liquid state.

Helium In addition to its normal scientific meaning, a mixture mainly of helium which ordinarily may contain some nitrogen and methane.

(Oil and Gas Conservation Act, section 1(1)(k))

Maximum Rate Limitation (MRL) The maximum rate of production prescribed for the avoidance of waste, after application of any applicable penalty factor.

Mean Formational Depth	The approximate average depth below kelly bushing of the mid-point of an oil or gas productive zone for the wells in a pool.
Methane	In addition to its normal scientific meaning, a mixture mainly of methane which ordinarily may contain some ethane, nitrogen, helium, or carbon dioxide. (Oil and Gas Conservation Act, section 1(1)(m.1))
Natural Gas Liquids	Propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(n))
Oil	Condensate or crude oil, or a constituent of raw gas, condensate, or crude oil that is recovered in processing, that is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(n.1))
Oil Sands	(i) sands and other rock materials containing crude bitumen, (ii) the crude bitumen contained in those sands and other rock materials, and (iii) any other mineral substances, other than natural gas, in association with that crude bitumen or those sands and other rock materials referred to in subclauses (i) and (ii). (Oil Sands Conservation Act, section 1(1)(n))
Oil Sands Deposit	A natural reservoir containing or appearing to contain an accumulation of oil sands separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(o.1))
Pay Thickness (Average)	The bulk rock volume of a reservoir of oil, oil sands, or gas, divided by its area.
Pentanes Plus	A mixture mainly of pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate, or crude oil. (Oil and Gas Conservation Act, section 1(1)(p))
Pool	A natural underground reservoir containing or appearing to contain an accumulation of oil or gas or both separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(q))
Porosity	The effective pore space of the rock volume determined from core analysis and well log data, measured as a fraction of rock volume.
Pressure (Initial)	The reservoir pressure at the reference elevation of a pool upon discovery.
Propane	In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes. (Oil and Gas Conservation Act, section 1(1)(s))
Recovery (Enhanced)	Recovery of oil, gas, or natural gas liquids by the implementation of an artificially improved depletion process over a part or the whole of a pool, measured as a volume or fraction; the additional oil, gas, or natural gas liquids so recovered. (Oil and Gas Conservation Act, section 1(1)(h))
Recovery (Pool)	In gas pools, the fraction of the in-place reserves of gas expected to be recovered under the subsisting recovery mechanism.
Recovery (Primary)	Recovery of oil by natural depletion processes only, measured as a volume so recovered or a fraction of the in-place oil.
Saturation (Gas)	The fraction of pore space in the reservoir rock occupied by gas upon discovery.

Saturation (Water)	The fraction of pore space in the reservoir rock occupied by water upon discovery.
Shrinkage Factor	The volume occupied by one cubic metre of oil from a pool, measured at standard conditions after flash gas liberation consistent with the surface separation process, divided by the volume occupied by the same oil and gas at the pressure and temperature of a pool upon discovery.
Solvent	A suitable mixture of hydrocarbons ranging from methane to pentanes plus, but consisting largely of methane, ethane, propane, and butanes, for use in enhanced-recovery operations.
Surface Loss	A summation of the fractions of recoverable gas that is removed as acid gas and liquid hydrocarbons, used as lease or plant fuel, or flared.
Temperature	The initial reservoir temperature upon discovery at the reference elevation of a pool.
Zone	Any stratum or any sequence of strata that is designated by the Board as a zone. (Oil and Gas Conservation Act, section 1(1)(z))

1.4 STANDARD CONDITIONS OF GAS MEASUREMENT

Volumes of gas are given as at a standard pressure and temperature of 101.325 kPa and 15°C, respectively.

1.5 SYMBOLS

The symbols used in tables throughout this report have the following meanings:

SI

°C	degree Celsius	M	mega
d	day	m	metre
ha	hectare	mol	mole
J	joule	T	tera
kg	kilogram	t	tonne
kPa	kilopascal		

Imperial

bbl	barrel	psia	pounds per square inch absolute
Btu	British thermal unit	psig	pounds per square inch gauge
cf	cubic foot	stb	stock-tank barrel
d	day		
°F	degree Fahrenheit		

1.6 ABBREVIATIONS

General Report

GIP	gas in place
GPP	good production practice
MER	maximum efficient rate
MRL	maximum rate limitation
RF	recovery factor
RGE	range
STP	standard temperature and pressure
TWP	township
WM	west of a certain meridian

Computer Printout

General abbreviations, found chiefly in the computer printout, have the following meanings:

ABAND	abandoned
ASSOC	associated gas
ADMIN 2	Administrative Area No. 2
BER	beyond economic reach
BLAIR	Blairmore
BLSKY	Bluesky
BOW ISL or BI	Bow Island
BR	Belly River
BSL COLO	Basal Colorado
BSL MANN or BMNV	Basal Mannville
BSL QTZ	Basal Quartz
CARD	Cardium
CDN	Cadomin
CLWTR	Clearwater
CLY	Colony
CMRS	Camrose
COMP	compressibility
DBLT	Debolt
DETR	Detrital
DISC YEAR	discovery year
ELK	Elkton
ELRSL	Ellerslie
ERSO	enhanced-recovery scheme is in operation but no additional established reserves are attributed
FALH	Falher
FRAC	fraction
GEN PETE	General Petroleum
GETH	Gething
GLAUC	Glauconitic
GOR	gas-oil ratio
GRD RAP	Grand Rapids
GROSS HEAT VALUE	gross heating value
INJ	injected
I.S.	integrated scheme
JUR or J	Jurassic
KEY	Keystone
KISK	Kiskatinaw
KR	Keg River
L	lower
LLOYD	Lloydminster
LF	load factor
LMNV or LM	Lower Mannville
LOC EX PROJECT	local experimental project
LOC U	local utility
M	middle
MANN or MN	Mannville
MCM	McMurray
MED HAT	Medicine Hat
MILK RIV	Milk River
MOP	maximum operating pressure
MSKG	Muskeg

NGL	natural gas liquids
NIS	Nisku
NO.	number
NON-ASSOC	non-associated gas
OST	Ostracod
RF	recovery factor
SA	strike area
SATN	saturation
SD	sandstone
SE ALTA GAS SYS (MU)	Southeastern Alberta Gas System—commingled
SG	gas saturation
SHUN	Shunda
SL	surface loss
SOLN	solution gas
SPKY	Sparky
ST. ED	St. Edouard
SULPT	Sulphur Point
SUSP	suspended
SW	water saturation
TEMP	temperature
TVD	true vertical depth
U	upper
UIRE	Upper Ireton
UMNV or UM	Upper Mannville
VIK or VK	Viking
VOL	volume
WAB	Wabamun
WBSK	Wabiskaw
WTR DISP	water disposal
WTR INJ	water injection
1WS	First White Specks
2WS	Second White Specks

Company Names

The following is a list of abbreviations which are used for certain company names:

A&S	Alberta and Southern Gas Co. Ltd.
BAROID	Baroid of Canada, Ltd.
BRL	Brascan Resources Limited
CANSALT	The Canadian Salt Company Limited
CFB,CL	Canadian Forces Base at Cold Lake
CIL	Canadian Industries Limited
CMG	Canadian-Montana Gas Company Limited
CTYMEDH	City of Medicine Hat
CNG	Consolidated Natural Gas Limited
CUE	Canadian Utilities Ethane Limited
CUL	Canadian Utilities Limited
CWNGNUL	Canadian Western Natural Gas Company Limited and Northwestern Utilities Limited
KANNGAZ	KannGaz Producers Ltd.
MIP	Many Islands Pipe Lines Ltd.
NCO	North Canadian Oils Limited
NORCEN	Norcen Energy Resources Limited

PANALTA	Pan-Alberta Gas Ltd.
PROGAS	ProGas Limited
PRTC	Peace River Transmission Company Limited
PWGE	Plains-Western Gas & Electric Co. Ltd.
SAPL	Southern Alberta Pipe Lines Ltd.
SIMCHEM	Simplot Chemical Company Ltd.
SLPETRO	Sulpetro Limited
SOQUIP	Societe quebecoise d'initiatives petrolieres
SUNCOR	Suncor Inc.
SYNCRDE	Syncrude Canada Ltd.
TCPL	TransCanada PipeLines Limited
TUC	TransAlta Utilities Corporation
WCOAST	Westcoast Transmission Company Limited

2 RESERVES OF CONVENTIONAL CRUDE OIL

The Board estimates the remaining established reserves of conventional crude oil in Alberta to be 614 million cubic metres at year-end 1987. The net annual decrease of some 21 million cubic metres is a result of all reserve adjustments less production that occurred during 1987. The initial established reserves attributed to 1987 pool discoveries decreased about 27 per cent from 1986.

The changes in reserves for light-medium and heavy crude oil during 1987 are shown below:

	1987	1986	Change
	10^6 m^3		
Initial Established Reserves[a]			
Light-Medium	2 049.4	2 025.4	+24.0
Heavy	145.5	136.5	+ 9.0
Total	2 195.0	2 162.0	+33.0
	(13 813)[b]	(13 605)[b]	
Cumulative Production			
Light-Medium	1 486.5	1 440.1	+46.4
Heavy	95.1	87.6	+ 7.5
Total	1 581.6	1 527.7	+53.9
Remaining Established Reserves[a]			
Light-Medium	563.4	585.8	−22.5
Heavy	50.4	48.9	+ 1.5
Total	613.8	634.7	−20.9
	(3 863)[b]	(3 994)[b]	

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

The net increase to initial established reserves during 1987 of some 33 million cubic metres comprised 41.9 million cubic metres added from discoveries/additions (new pools, new waterflood projects, and additions to existing primary pools and waterflood projects), 2.3 million cubic metres added due to tertiary mechanisms (new tertiary projects and additions to existing tertiary projects), and a 11.2 million cubic metre reduction as a result of the reassessment of reserves in existing primary and enhanced recovery pools.

Listed below are those light-medium pools for which a change of more than 1 000 000 cubic metres in initial established reserves was made during 1987.

Pool	Initial Established Reserves 1987 (10^3 m^3)	Change	Main Reason for Change
Cyn-Pem Cardium D	2 170.0	+ 1 778.0	Coalesced Cardium D and E pools, and enhanced-recovery recognition
Halkirk Upper Mannville J	2 320.0	+ 1 360.0	Enhanced-recovery recognition
Kaybob Beaverhill Lake A	17 600.0	− 2 400.0	Reassessment of initial volume in place and recovery factor
Rich D-3 A	580.0	− 2 520.0	Reassessment of initial volume in place and recovery factor
Sturgeon Lake South D-3	27 800.0	+ 2 900.0	Reassessment of initial volume in place and recovery factor
Twining Rundle A & Lower Mannville A	7 240.0	− 1 380.0	Coalesced Twining North Rundle and Twining Rundle A pools. Reassessment of recovery factor

Some 110 other major pools had changes in initial established reserves of between 100 000 and 1 000 000 cubic metres resulting in a net increase of 9 655 000 cubic metres in initial established reserves.

Listed below are those heavy oil pools for which a change of more than 250 000 cubic metres in initial established reserves was made during 1987.

Pool	Initial Established Reserves 1987	Change	Main Reason for Change
	10^3 m^3		
Grand Forks Sawtooth D	1 100.0	+ 603.0	Reassessment and initial volume in place and recovery factor
Hayter Dina A	1 736.0	+ 940.0	Pool development, and reassessment of initial volume in place and recovery factor
Provost Upper Mannville BB	788.0	+ 473.0	Reassessment of recovery factor
Provost Dina A	564.0	+ 354.0	Pool development and reassessment of recovery factor
Provost Dina N	675.0	+ 355.0	Pool development and reassessment of recovery factor
Suffield Upper Mannville J	1 203.0	+ 802.0	Reassessment of recovery factor
Bantry Mannville D	1 280.0	+ 355.0	Reassessment of initial volume in place and recovery factor
Edgerton D-2 A & Camrose A	90.9	− 270.1	Pools commingled. Reassessment of initial volume in place
Little Bow Upper Mannville G	450.0	+ 270.0	Enhanced-recovery recognition
Medicine Hat Glauconitic C	928.0	+ 685.0	Reassessment of initial volume in place and recovery factor
Viking-Kinsella Wainwright B	5 117.5	+ 547.8	Reassessment of waterflood recovery factor
Wainwright Wainwright & Sparky A	13 083.0	+ 548.0	Enhanced-recovery recognition

Some 20 other major heavy oil pools had changes in initial established reserves of between 50 000 and 250 000 cubic metres resulting in a net increase of 2 067 000 cubic metres in initial established reserves.

The Board's estimates of reserves for 1987 are summarized by crude-oil type and recovery mechanism in Table 2-1, by geological period and crude-oil type in Table 2-2, and by geological formation in Table 2-3. These historical data assist in estimating future crude-oil potential as discussed in Chapter 8.

Table 2-4, subdivided into light-medium and heavy crude oil, lists the reserves and reservoir factors to year-end 1987 for each designated non-confidential crude-oil pool in Alberta. A reserve total for undefined and confidential pools is shown at the end of each section.

The map included in the back pocket of this report will assist the reader interested in the geographic distribution of reserves and in locating the fields and pools listed in Table 2-4. The approximate location of each field is shown immediately following the field name in Table 2-4.

TABLE 2-1 SUMMARY OF RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS
As at 31 December 1987

Crude-Oil Type and Recovery Mechanism	1 Initial Volume in Place	2 Initial Primary Established Reserves	3 Average Primary Recovery	4 Initial Enhanced Established Reserves	5 Average Enhanced Recovery	6 Initial Total Established Reserves	7 Average Total Recovery
	10^6 m^3	10^6 m^3	fraction	10^6 m^3	fraction	10^6 m^3	fraction
Light-Medium							
Primary Depletion	3 143.0	733.8	0.23	0	0	733.1	0.23
Solvent Flood	725.2	203.6	0.28	223.7	0.31	427.2	0.59
Waterflood	2 715.6	458.2	0.17	396.5	0.15	855.4	0.31
Gas Flood	73.2	29.9	0.41	3.8	0.05	33.8	0.46
Heavy							
Primary Depletion	1 053.7	72.4	0.07	0	0	72.4	0.07
Waterflood	255.1	23.7	0.09	49.4	0.19	73.2	0.29
Total[a]	7 965.7	1 521.7	0.19[b]	673.3	0.08[b]	2 195.0	0.28[b]
	(50 128)[c]	(9 576)[c]		(4 237)[c]		(13 813)[c]	

[a] Discrepancies are due to rounding.

[b] The estimated recovery for all pools in the province, if depleted under their natural depletion mechanism, would be 19 per cent of initial volume in place. Implementation of enhanced-recovery schemes in some pools is expected to result in an increase in the average recovery factor for all pools in Alberta to 28 per cent.

[c] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-2 DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL BY GEOLOGICAL PERIOD AND CRUDE-OIL TYPE
As at 31 December 1987

	1	2	3	4	5	6	7	8	9	10	11	12
Geological Period	**Initial Volume In Place**			**Initial Established Reserves**			**Remaining Established Reserves**			**Average Recovery**		
	Light-Medium Density	**Heavy Density**	**Total**	**Light-Medium Density**	**Heavy Density**	**Total**	**Light-Medium Density**	**Heavy Density**	**Total**	**Light-Medium Density**	**Heavy Density**	**Total**
	10^6 m^3									fraction		
Cretaceous												
Upper	1 867.4	0.1	1 867.5	349.7	0	349.7	125.8	0	125.8	0.19	0	0.19
Lower	768.1	1 155.2	1 923.3	119.9	125.4	245.3	43.0	40.9	83.9	0.16	0.11	0.13
Jurassic	82.0	51.2	133.2	18.1	11.7	29.8	8.0	4.7	12.7	0.22	0.23	0.22
Triassic	183.7	0	183.7	47.6	0	47.6	24.6	0	24.6	0.26	0	0.26
Mississippian	533.7	56.5	590.2	79.8	5.9	85.7	15.7	2.8	18.5	0.15	0.10	0.15
Devonian												
Upper	2 207.5	11.0	2 218.5	1 070.4	0.8	1 071.2	196.0	0.5	196.5	0.48	0.07	0.48
Middle	822.5	0	822.5	332.4	0	332.4	121.6	0	121.6	0.40	0	0.40
Other	191.6	35.0	226.6	31.5	1.6	33.3	28.7	1.5	30.2	0.16	0.05	0.15
Total[a]	6 656.8	1 309.0	7 965.7	2 049.4	145.5	2 195.0	563.4	50.4	613.8	0.31	0.11	0.28
	(41 890)[b]	(8 237)[b]	(50 128)[b]	(12 897)[b]	(916)[b]	(13 813)[b]	(3 545)[b]	(317)[b]	(3 863)[b]			

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-3 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL
As at 31 December 1987

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m^3			Percentage of total		
Upper Cretaceous						
Belly River	167.7	30.3	14.9	2.1	1.4	2.4
Cardium	1 630.9	310.4	103.8	20.4	14.1	16.9
Miscellaneous	68.9	8.3	7.1	0.9	0.4	1.2
Subtotal	1 867.4	349.7	125.8	23.4	15.9	20.5
Lower Cretaceous						
Viking	285.4	57.4	15.8	3.6	2.6	2.6
Basal Colorado	11.8	2.7	1.0	0.1	0.1	0.2
Mannville	1 621.7	185.0	67.0	20.3	8.4	10.9
Miscellaneous	4.4	0.2	0.1	0	0	0
Subtotal	1 923.3	245.3	83.9	24.1	11.2	13.7
Jurassic						
Jurassic	60.8	14.1	5.1	0.8	0.6	0.8
Miscellaneous	72.4	15.8	7.6	0.9	0.7	1.2
Subtotal	113.2	29.8	12.7	1.7	1.3	2.1
Triassic						
Triassic	64.8	25.9	9.1	0.8	1.2	1.5
Miscellaneous	118.9	21.5	15.5	1.5	1.0	2.5
Subtotal	183.7	47.4	24.6	2.3	2.1	4.0
Mississippian						
Rundle	505.9	74.1	11.4	6.4	3.4	1.8
Miscellaneous	84.3	11.6	7.1	1.0	0.5	1.2
Subtotal	590.2	85.7	18.5	7.4	3.9	3.0
Upper Devonian						
Wabamun	30.9	4.7	2.6	0.4	0.2	0.4
Nisku	334.0	170.6	42.8	4.2	7.8	7.0
Leduc	806.0	489.3	47.2	10.1	22.3	7.7
Beaverhill Lake	941.4	384.9	88.5	11.8	17.5	14.4
Miscellaneous	106.2	21.7	15.3	1.3	1.0	2.5
Subtotal	2 218.5	1 071.2	196.5	27.8	48.8	32.0

TABLE 2-3 (continued)

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m³			Percentage of total		
Middle Devonian						
Keg River	516.2	198.3	80.0	6.5	9.0	13.0
Miscellaneous	306.4	131.8	41.6	3.8	6.0	6.8
(Gilwood and Granite Wash)						
Subtotal	822.5	332.4	121.6	10.3	15.1	19.8
Undefined and Confidential	226.9	33.5	30.2	2.8	1.5	4.9
Total[a]	7 965.8	2 195.0	613.8	100.0	100.0	100.0
	(50 128)[b]	(13 813)[b]	(3 863)[b]			

[a] Discrepancies in totals and subtotals are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

ERCB

Reserves of Conventional Crude Oil and Basic Data

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
ACHESON 053-26W4								
BLAIRMORE A	879.0	0.14		123.0		123.0	116.1	6.9
BLAIRMORE B	318.0	<0.02		4.1		4.1	4.1	
BLAIRMORE C	238.0	<0.20		47.2		47.2	47.2	
BLAIRMORE F	300.0	0.25		75.0		75.0	62.7	12.3
BLAIRMORE G	130.0	0.18		23.4		23.4	18.8	4.6
BLAIRMORE H	152.0	0.07		10.6		10.6	10.6	
BLAIRMORE J	426.0	0.10		42.6		42.6	38.6	4.0
BLAIRMORE K	280.0	0.15		42.0		42.0	37.1	4.9
BLAIRMORE L	289.0	<0.04		11.6		11.6	11.6	
BLAIRMORE P	183.0	<0.01		0.1		0.1	0.1	
BLAIRMORE V	198.0	0.12		23.8		23.8	11.6	12.2
BLAIRMORE W	79.8	<0.01		0.1		0.1		0.1
BLAIRMORE X	399.0	0.10		39.9		39.9	5.6	34.3
BLAIRMORE D&I	686.0	0.15		103.0		103.0	69.7	33.3
ELLERSLIE A	343.0	0.03		10.3		10.3	4.8	5.5
ELLERSLIE B	387.0	0.03		11.6		11.6	4.1	7.5
ELLERSLIE C	406.0	<0.01		1.1		1.1	1.1	
WABAMUN A	917.0	<0.01		3.7		3.7	3.7	
D-2 A	775.0	0.58		450.0		450.0	421.9	28.1
D-2 B	50.2	<0.39		19.3		19.3	19.3	
D-2 C	14.7	0.20		2.9		2.9	0.1	2.8
D-3 A TOTAL	29 650.0			16 010.0	4 790.0	20 800.0	18 177.7	2 622.3
SOLVENT FLOOD AREA	3 700.0	0.54	0.29	2 000.0	1 100.0	3 100.0		
WATER FLOOD AREA	25 950.0	0.54	0.14	14 010.0	3 690.0	17 700.0		
ACHESON EAST 052-25W4								
BLAIRMORE A	492.0	0.25		123.0		123.0	120.9	2.1
BLAIRMORE B	5 970.0	0.10		597.0		597.0	529.6	67.4
BLAIRMORE C	250.0	0.10		25.0		25.0	19.9	5.1
BLAIRMORE D	572.0	0.25		143.0		143.0	80.2	62.8
BLAIRMORE E	226.0	0.25		56.6		56.6	19.6	37.0
GLAUCONITIC A	67.6	0.10		6.8		6.8	0.3	6.5
DETRITAL A	188.0	0.03		5.6		5.6	4.3	1.3
ADEN 001-09W4								
BOW ISLAND B	221.0	<0.01		1.1		1.1	1.1	
AERIAL 029-18W4								
VIKING A	275.0	<0.01		0.6		0.6	0.6	
MANNVILLE TOTAL	1 480.0			177.0	95.0	272.0	229.8	42.2
PRIMARY AREA	286.0	0.12		34.3		34.3		
GAS FLOOD AREA	1 190.0	0.12	0.08	143.0	95.0	238.0		
MANNVILLE B	167.0	<0.01		0.3		0.3	0.3	
MANNVILLE C	618.0	<0.01		0.4		0.4	0.4	
MANNVILLE D	211.0	0.10		21.1		21.1		21.1
ALBRIGHT 071-09W6								
CHARLIE LAKE A	75.1	0.10		7.5		7.5	3.0	4.5
ALIX 040-23W4								
D-2	1 390.0	0.35		487.0		487.0	392.8	94.2
ALLIANCE 040-12W4								
BLAIRMORE	657.0	0.15		98.6		98.6	60.5	38.1
ALSIKE 049-02W5								
BANFF A	149.0	<0.01		0.3		0.3	0.3	
AMBER 115-07W6								
MUSKEG A	14.3	<0.13		1.8		1.8	1.8	
MUSKEG B	159.0	<0.21		32.5		32.5	32.5	
MUSKEG C	129.0	0.30		38.7		38.7	8.4	30.3
MUSKEG D	410.0	0.25		103.0		103.0	3.0	100.0
MUSKEG E	200.0	0.25		50.0		50.0	3.3	46.7
MUSKEG F	210.0	0.10		21.0		21.0	4.8	16.2
MUSKEG G	253.0	0.25		63.3		63.3		63.3
KEG RIVER A	365.0	0.12		43.8		43.8	34.5	9.3
KEG RIVER B	540.0	<0.06		27.9		27.9	27.9	
KEG RIVER C	255.0	0.30		76.5		76.5	20.1	56.4
KEG RIVER E	330.0	0.25		82.5		82.5	48.1	34.4
KEG RIVER F	222.0	<0.23		50.7		50.7	50.7	
KEG RIVER G	200.0	0.25		50.0		50.0	42.9	7.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
323	1.86	0.220	0.18	0.81	83	839	54	9 270	1 234.4	1952	81 12 - GPP
150	1.95	0.175	0.27	0.85	81	834	54	9 380	1 265.2	1954	64 04 - SUSP 60 04
57	3.64	0.187	0.27	0.84	82	834	56	9 480	1 270.4	1954	84 07 - SUSP 84 04
115	2.24	0.180	0.23	0.84	81	855	52	9 380	1 276.8	1950	83 06
32	3.39	0.185	0.23	0.84	80	855	53	9 270	1 248.2	1963	86 12 - GPP
64	1.84	0.214	0.25	0.80	53	855	54	9 380	1 235.0	1950	77 12 - SUSP 81 10
65	6.10	0.180	0.25	0.80	84	839	52	9 410	1 231.4	1960	75 12
62	4.79	0.150	0.25	0.84	76	855	54	10 330	1 253.8	1969	85 12
129	1.74	0.214	0.25	0.80	53	855	54	9 380	1 203.7	1950	74 12 - ABAND 74 06
64	3.50	0.170	0.40	0.80	77	840	51	8 912	1 214.3	1980	83 12 - SUSP 81 02
32	5.30	0.190	0.27	0.84	60	867	55	8 983	1 274.2	1983	84 03
64	1.50	0.180	0.45	0.84	58	877	56	9 073	1 245.9	1951	84 08 - SUSP 83 11
64	5.50	0.180	0.25	0.84	68	853	56	9 092	1 245.8	1951	84 10
244	3.00	0.180	0.38	0.84	81	839	49	9 200	1 238.8	1951	86 12 - GPP
64	4.80	0.190	0.30	0.84	57	840	54	9 420	1 275.6	1962	85 12 - GPP
64	5.00	0.210	0.28	0.80	70	835	72	9 119	1 239.3	1982	85 12 - GPP
64	6.00	0.220	0.40	0.80	68	845	72	8 952	1 235.0	1981	83 05 - SUSP 85 01
64	28.80	0.090	0.35	0.85	60	885	42	7 855	1 314.0	1982	82 06 - SUSP 83 05
486	8.17	0.034	0.30	0.82	64	834	57	10 900	1 397.5	1952	87 12 - GPP
65	6.10	0.024	0.36	0.83	64	834	56	10 900	1 419.8	1952	64 04 - ABAND 71 09
64	1.00	0.040	0.30	0.82	66	834	58	11 040	1 434.6	1985	86 03 - SUSP 86 01
1 542					90	834	60	11 930	1 547.8	1950	87 11
246	18.87	0.114	0.08	0.76							
1 296	25.12	0.114	0.08	0.76							
84	5.51	0.182	0.27	0.80	74	839	52	9 200	1 208.5	1953	83 12 - GPP
1 236	4.79	0.180	0.30	0.80	74	839	52	9 310	1 239.0	1957	83 09 - GPP
64	4.00	0.190	0.35	0.80	74	857	52	8 826	1 235.8	1981	83 09 - GPP
132	4.04	0.200	0.33	0.80	71	845	51	9 218	1 238.7	1958	85 09 - GPP
32	6.80	0.200	0.35	0.80	56	854	50	8 619	1 260.8	1983	85 12 - GPP
16	3.60	0.170	0.25	0.92	26	945	50	9 011	1 155.8	1965	84 11
64	3.00	0.210	0.45	0.85	60	857	49	9 305	1 279.5	1980	85 12 - SUSP 86 04
128	1.39	0.230	0.40	0.90	21	839	32	4 480	637.9	1967	85 06 - SUSP 85 04
64	5.10	0.150	0.25	0.75	125	832	43	8 660	1 116.5	1979	83 12 - SUSP 80 08
391					78	849	48	9 930	1 283.5	1958	83 07
81	2.42	0.223	0.20	0.82							
310	2.62	0.223	0.20	0.82							- GPP - MRL
64	4.90	0.130	0.50	0.82	73	867	47	9 731	1 297.5	1979	84 12 - SUSP 81 11
64	11.00	0.150	0.22	0.75	112	854	43	9 350	1 323.5	1979	83 12 - SUSP 81 10
64	3.90	0.172	0.40	0.82	78	850	24	7 345	1 293.3	1980	83 12
64	1.90	0.090	0.12	0.78	76	832	73	15 569	2 344.4	1983	84 05
966	4.39	0.057	0.19	0.71	152	825	59	16 620	1 823.9	1956	84 12 - GPP
137	3.21	0.250	0.35	0.92	29	898	35	6 620	961.9	1951	86 12 - GPP
64	3.50	0.120	0.35	0.85	77	900	64	15 960	1 548.5	1980	83 12 - SUSP 81 10
2	17.50	0.060	0.15	0.80	73	844	72	15 100	1 506.9	1968	71 05 - SUSP 70 03
17	22.74	0.065	0.15	0.76	95	834	70	15 380	1 565.1	1968	83 12 - SUSP 81 11
64	10.50	0.030	0.20	0.80	64	800	82	14 623	1 577.3	1982	83 01
64	12.70	0.070	0.10	0.80	86	846	70	12 072	1 521.8	1983	84 08
64	5.00	0.085	0.08	0.80	68	856	78	13 109	1 535.1	1985	85 05 - SUSP 86 07
64	5.40	0.090	0.10	0.75	139	820	72	14 849	1 520.3	1984	86 09
64	9.00	0.065	0.10	0.75	64	828	68		1 502.5	1984	87 12
19	43.10	0.070	0.15	0.75	110	825	72	15 510	1 566.1	1968	81 12 - GPP
38	37.95	0.060	0.17	0.75	111	825	72	15 560	1 566.4	1968	79 04 - SUSP 78 06
12	36.79	0.093	0.15	0.73	127	40	76	15 583	1 581.6	1968	85 04 - SUSP 87 01
28	39.00	0.070	0.40	0.72	125	825	76	15 650	1 580.1	1968	84 11
14	26.35	0.097	0.15	0.73	126	829	67	15 450	1 575.8	1968	70 02 - SUSP 84 05
14	27.00	0.090	0.15	0.68	157	820	72	15 220	1 557.8	1969	81 10 - SUSP 86 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
AMBER 115-07W6 (CONTINUED)								
KEG RIVER I	115.0	<0.05		4.8		4.8	4.8	
KEG RIVER J	466.0	<0.01		0.2		0.2	0.2	
KEG RIVER P	300.0	0.30		90.0		90.0	19.1	70.9
KEG RIVER Q	295.0	0.40		118.0		118.0	48.8	69.2
KEG RIVER R	300.0	0.30		90.0		90.0	29.6	60.4
KEG RIVER S	300.0	0.30		90.0		90.0	15.4	74.6
KEG RIVER T	518.0	0.25		130.0		130.0	26.8	103.2
KEG RIVER U	797.0	0.25		199.0		199.0	15.8	183.2
KEG RIVER V	600.0	0.20		120.0		120.0	8.6	111.4
KEG RIVER W	610.0	0.30		183.0		183.0	22.1	160.9
KEG RIVER X	44.8	0.25		11.2		11.2	1.6	9.6
AMIGO 120-08W6								
MUSKEG A	104.0	0.30		31.2		31.2	0.9	30.3
KEG RIVER A	100.0	<0.12		11.9		11.9	11.9	
KEG RIVER B	600.0	0.40		240.0		240.0	140.2	99.8
KEG RIVER C	184.0	0.40		73.6		73.6	36.3	37.3
KEG RIVER D	1 330.0	<0.03		39.5		39.5	39.5	
KEG RIVER E	100.0	<0.09		8.9		8.9	8.9	
KEG RIVER F	334.0	0.25		83.5		83.5	11.3	72.2
KEG RIVER G	276.0	0.35		96.6		96.6	17.3	79.3
KEG RIVER H	320.0	0.30		96.0		96.0	6.7	89.3
KEG RIVER I	70.0	0.16		11.3		11.3	11.3	
KEG RIVER J	200.0	0.35		70.0		70.0	10.9	59.1
ANTE CREEK 065-24W5								
DUNVEGAN A	288.0	<0.01		0.7		0.7	0.7	
BEAVERHILL LAKE SOLVENT FLOOD	5 930.0	0.16	0.44	949.0	2 610.0	3 560.0	1 917.8	1 642.2
BEAVERHILL LAKE B	1 670.0	0.35		585.0		585.0	441.9	143.1
GILWOOD A	46.1	<0.01		0.2		0.2		0.2
ARMADA 017-19W4								
UPPER MANNVILLE A	724.0	0.10		72.4		72.4	13.6	58.8
BASAL QUARTZ G	107.0	0.10		10.7		10.7		10.7
ARMISIE 052-25W4								
BLAIRMORE	2 170.0	0.20		434.0		434.0	298.4	135.6
ASTOTIN 054-18W4								
VIKING D	109.0	0.10		10.9		10.9	0.4	10.5
VIKING H	194.0	0.03		5.8		5.8	3.0	2.8
VIKING I	187.0	0.10		18.7		18.7	0.2	18.5
BADGER 016-18W4								
UPPER MANNVILLE A	103.0	<0.01		0.4		0.4	0.4	
BARONS 012-23W4								
COLORADO	280.0	<0.30		83.1		83.1	83.1	
BARONS A	313.0	0.05		15.7		15.7	5.5	10.2
BOW ISLAND A	64.8	<0.01		0.2		0.2	0.2	
BASHAW 041-23W4								
BASAL MANNVILLE J	146.0	<0.01		1.3		1.3	1.3	
D-2 A	992.0	<0.03		22.0		22.0	20.8	1.2
D-2 B	1 800.0	0.35		630.0		630.0	122.8	507.2
IRETON A	416.0	0.07		29.1		29.1	25.1	4.0
D-3 A	1 600.0	0.35		560.0		560.0	480.4	79.6
D-3 B	264.0	0.10		26.4		26.4	21.8	4.6
D-3 C	160.0	<0.01		0.1		0.1	0.1	
D-3 D	57.8	<0.01		0.1		0.1		0.1
BASSANO 021-18W4								
OSTRACOD A	136.0	<0.01		1.0		1.0	1.0	
BATTLE 046-20W4								
VIKING	824.0	0.25		206.0		206.0	167.6	38.4
BATTLE NORTH 046-20W4								
VIKING	242.0	0.28		67.7		67.7	63.8	3.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	24.23	0.052	0.25	0.77	152	820	72	15 040	1 549.0	1969	78 12 - GPP
15	40.23	0.120	0.15	0.74	110	829	77	15 170	1 578.6	1969	71 01 - SUSP 70 10
25	18.30	0.100	0.10	0.72	128	820	76	15 461	1 605.0	1982	85 07
33	21.00	0.070	0.23	0.78	93	826	73	15 196	1 567.5	1982	85 04
19	23.60	0.100	0.13	0.77	93	829	73	15 433	1 588.3	1984	85 04
30	35.07	0.060	0.34	0.72	127	800	76	15 555	1 580.8	1983	86 06
64	12.00	0.100	0.10	0.75	138	806	71	15 124	1 599.0	1984	85 03
64	21.20	0.089	0.12	0.75	115	834	67	15 244	1 564.4	1984	85 03
24	42.00	0.095	0.13	0.72	127	810	76	15 142	1 564.3	1985	86 07
45	35.90	0.063	0.20	0.75	107	820	83	15 022	1 589.0	1985	87 05
13	10.85	0.058	0.27	0.75	115	820	80	14 965	1 568.0	1986	86 10
64	3.50	0.080	0.13	0.67	155	808	83	15 350	1 787.0	1983	83 02 - SUSP 86 06
6	55.10	0.054	0.20	0.70	130	833	83	15 829	1 814.3	1981	86 09 - SUSP 86 06
13	96.96	0.080	0.15	0.70	135	804	74	15 322	1 756.0	1979	86 06
6	58.17	0.080	0.11	0.74	118	850	71	16 104	1 725.0	1982	85 05
64	60.13	0.060	0.20	0.72				15 272	1 794.0	1970	79 12 - SUSP 79 02
9	36.00	0.060	0.25	0.65	160	814	78	15 478	1 804.0	1982	83 06 - SUSP 85 11
19	32.11	0.100	0.13	0.63	170	826	71	16 119	1 746.0	1982	86 06
29	32.79	0.060	0.18	0.59	233	803	81	16 766	1 803.4	1983	86 06
10	52.30	0.096	0.09	0.70	100	816	77	15 490	1 786.5	1985	86 06
5	20.80	0.120	0.20	0.70	233	803	81	15 956	1 852.0	1982	86 09
17	37.60	0.058	0.17	0.65	146	830	70	15 525	1 758.8	1986	87 05
64	4.61	0.181	0.35	0.83	62	834	59	10 340	1 365.8	1974	74 12 - ABAND 79 02
3 633	6.92	0.063	0.22	0.48	342	806	110	35 580	3 434.8	1963	64 04
1 540	3.90	0.057	0.25	0.65	166	820	103	37 605	3 391.5	1966	71 02
65	2.44	0.090	0.35	0.50	35	806	127	34 820	3 397.9	1965	65 05 - SUSP 66 02
64	7.90	0.208	0.19	0.85	62	896	45	11 718	1 196.3	1980	81 03
64	2.00	0.160	0.40	0.87	60	871	36	12 308	1 213.4	1984	85 06
407	4.76	0.180	0.25	0.83	79	834	49	9 520	1 238.1	1951	87 12 - GPP
64	1.50	0.210	0.40	0.90	41	864	23	4 554	683.3	1981	84 11 - GPP
64	2.20	0.250	0.40	0.92	30	846	28	5 181	687.6	1983	86 12
64	2.20	0.240	0.40	0.92	30	846	28	5 570	681.0	1984	84 11 - SUSP 86 02
65	1.22	0.230	0.35	0.87	51	881	54	12 250	1 125.9	1974	76 04 - SUSP 76 06
221	0.82	0.227	0.20	0.85	51	855	37	9 380	1 253.6	1950	75 12 - ABAND 85 10
192	1.88	0.170	0.40	0.85	62	857	35	5 237	1 349.6	1986	87 09
65	1.52	0.140	0.50	0.94	23	855	34	5 000	1 307.9	1973	74 12 - ABAND 76 09
64	2.70	0.170	0.40	0.83	76	844	42	10 590	1 478.7	1978	85 12 - SUSP 83 12
903	4.82	0.037	0.20	0.77	93	844	57	16 270	1 715.1	1951	83 12 - GPP
429	5.90	0.110	0.16	0.77	88	830	62	12 856	1 800.2	1973	87 12
65	15.54	0.074	0.30	0.80	76	910	51	16 270	1 717.2	1963	84 12 - GPP
1 375	3.05	0.067	0.15	0.67	163	825	58	16 070	1 756.6	1951	84 12 - GPP
130	4.72	0.077	0.20	0.70	142	829	58	15 270	1 746.5	1966	83 12 - GPP
64	4.00	0.110	0.15	0.67	163	827	58	16 065	1 709.5	1985	85 09 - SUSP 86 01
64	2.50	0.070	0.23	0.67	163	895	54	12 624	1 736.5	1986	86 10 - SUSP 86 11
64	1.80	0.210	0.34	0.85	68	883	31	9 564	1 179.1	1984	84 11 - SUSP 85 08
574	1.82	0.146	0.40	0.90	35	839	37	5 690	983.9	1953	83 12 - GPP
258	1.16	0.150	0.40	0.90	35	839	37	5 690	990.3	1954	64 04 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BATTLE SOUTH 045-20W4								
VIKING	937.0	0.30		281.0		281.0	199.8	81.2
BEATON 087-02W6								
WABAMUN A	102.0	0.10		10.2		10.2	2.8	7.4
BEAVERHILL LAKE 052-19W4								
UPPER VIKING F	150.0	<0.01		0.4		0.4	0.4	
BELLOY 078-01W6								
BELLOY A	68.5	0.15		10.3		10.3	7.9	2.4
BELLOY B	78.2	0.10		7.8		7.8	2.1	5.7
D-1 A	329.0	0.20		65.8		65.8	14.2	51.6
D-1 B	156.0	0.20		31.2		31.2	4.8	26.4
D-1 C	92.7	0.20		18.5		18.5	5.3	13.2
BELLSHILL LAKE 041-12W4								
UPPER VIKING A	67.7	<0.01		0.2		0.2	0.2	
BLAIRMORE	30 800.0	0.40		12 300.0		12 300.0	9 290.1	3 009.9
BLAIRMORE E	1 400.0	0.03		42.0		42.0	9.9	32.1
BLAIRMORE F	31.3	<0.01		0.3		0.3	0.3	
BLAIRMORE G	214.0	0.10		21.4		21.4	2.2	19.2
ELLERSLIE A	1 530.0	0.05		76.5		76.5	11.3	65.2
ELLERSLIE C	51.1	0.10		5.1		5.1	0.1	5.0
BERRY 027-12W4								
UPPER MANNVILLE C	4 230.0	0.05		212.0		212.0	37.8	174.2
BIGORAY 052-08W5								
CARDIUM B TOTAL	3 056.0			305.6	760.0	1 066.0	440.6	625.4
PRIMARY AREA	15.7	0.10		1.6		1.6		
WATER FLOOD AREA	3 040.0	0.10	0.25	304.0	760.0	1 064.0		
OSTRACOD TOTAL	2 908.0			349.0	685.0	1 034.0	791.1	242.9
PRIMARY AREA	458.0	0.12		55.0		55.0		
WATER FLOOD AREA	2 450.0	0.12	0.28	294.0	685.0	979.0		
OSTRACOD B	321.0	<0.02		4.4		4.4	4.4	
ELLERSLIE A	266.0	0.02		5.3		5.3	3.5	1.8
ELLERSLIE B	277.0	0.10		27.7		27.7	6.3	21.4
ELLERSLIE D TOTAL	1 070.0			107.0	190.0	297.0	85.5	211.5
PRIMARY AREA	118.0	0.10		11.8		11.8		
WATER FLOOD AREA	950.0	0.10	0.20	95.0	190.0	285.0		
ELLERSLIE E	142.0	0.10		14.2		14.2	7.3	6.9
ELLERSLIE G TOTAL	1 320.0			132.0	90.0	222.0	74.7	147.3
PRIMARY AREA	820.0	0.10		82.0		82.0		
WATER FLOOD AREA	500.0	0.10	0.18	50.0	90.0	140.0		
ROCK CREEK A	187.0	0.10		18.7		18.7	5.1	13.6
ROCK CREEK B	37.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C	130.0	0.05		6.5		6.5	5.5	1.0
NISKU A WATER FLOOD	740.0	0.30	0.15	222.0	111.0	333.0	224.2	108.8
NISKU B SOLVENT FLOOD	1 500.0	0.30	0.30	450.0	450.0	900.0	473.7	426.3
NISKU C WATER FLOOD	1 200.0	0.35	0.11	420.0	132.0	552.0	79.9	472.1
NISKU D WATER FLOOD	2 200.0	0.40	0.10	880.0	220.0	1 100.0	337.8	762.2
NISKU E WATER FLOOD	2 000.0	0.35	0.10	700.0	200.0	900.0	382.4	517.6
NISKU F SOLVENT FLOOD	2 800.0	0.40	0.36	1 120.0	1 010.0	2 130.0	1 065.5	1 064.5
NISKU G WATER FLOOD	750.0	0.30	0.15	225.0	113.0	338.0	270.4	67.6
NISKU H WATER FLOOD	2 200.0	0.30	0.12	660.0	264.0	924.0	361.8	562.2
NISKU I WATER FLOOD	600.0	0.33	0.10	200.0	60.0	260.0	153.1	106.9
NISKU K WATER FLOOD	850.0	0.30	0.15	255.0	128.0	383.0	209.8	173.2
BILAWCHUK 080-09W6								
HALFWAY A	394.0	0.05		19.7		19.7	0.2	19.5
BILBO 065-06W6								
A CARDIUM A	107.0	0.15		16.1		16.1	7.0	9.1
BITTERN LAKE 046-22W4								
NISKU A	180.0	<0.01		0.2		0.2	0.2	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
451	2.53	0.152	0.40	0.90	35	839	37	5 857	970.2	1954	84 07 - GPP
64	5.79	0.050	0.19	0.67	160	876	62	15 800	1 654.1	1974	81 12
64	2.00	0.200	0.35	0.90	29	864	38	5 163	794.0	1978	85 12 - ABAND 83 07
64	1.70	0.110	0.31	0.83	66	868	45	11 514	1 257.7	1951	85 12 - GPP
64	2.00	0.130	0.39	0.77	100	885	40	11 425	1 248.7	1985	85 08
64	26.30	0.030	0.13	0.75	145	865	65	17 762	2 078.8	1984	86 10
64	6.50	0.060	0.20	0.78	111	884	60	21 633	2 036.3	1986	86 08
64	6.80	0.040	0.29	0.75	96	850	67	22 071	2 068.8	1985	85 10
64	0.93	0.250	0.50	0.91	37	849	27	5 520	767.8	1974	75 12 - ABAND 84 07
2 368	7.08	0.267	0.26	0.93	29	892	34	6 480	919.6	1956	85 02 - GPP
218	4.60	0.200	0.25	0.93	28	899	32	6 220	955.1	1977	86 12 - GPP
16	2.00	0.150	0.30	0.93	26	866	33	5 935	921.6	1979	85 12 - SUSP 83 09
64	4.00	0.150	0.40	0.93	26	894	30	5 703	980.8	1985	86 06
112	6.64	0.270	0.18	0.93	28	913	33	6 454	974.7	1983	85 12
16	1.60	0.280	0.25	0.95	40	922	34	6 387	984.8	1984	85 10 - SUSP 87 02
1 437	2.97	0.190	0.41	0.88	49	828	43	9 601	1 101.2	1980	84 04
896					50	872	49	14 990	1 492.7	1978	86 09
64	0.80	0.040	0.15	0.90							
832	4.54	0.108	0.18	0.90							
1 290					111	839	59	17 240	1 795.6	1959	87 12
293	1.57	0.187	0.30	0.76							
997	2.47	0.187	0.30	0.76							
64	4.00	0.220	0.25	0.76	120	834	60	17 650	1 841.6	1968	81 12 - SUSP 73 10
64	4.00	0.190	0.30	0.78	89	839	60	7 671	1 785.3	1979	81 12
64	2.44	0.320	0.29	0.78	25	853	50	4 550	1 816.6	1974	80 09
512					111	833	64	16 202	1 820.1	1979	86 01
64	3.09	0.130	0.39	0.75							
448	3.51	0.130	0.38	0.75							
64	3.24	0.137	0.39	0.82	70	843	65	14 471	1 821.6	1979	80 10
448					113	853	50	16 555	1 800.3	1978	86 06
258	4.78	0.130	0.28	0.71							
190	4.54	0.120	0.32	0.71							
64	3.00	0.200	0.30	0.70	135	840	62	16 466	1 780.2	1977	82 03 - GPP
80	1.50	0.110	0.60	0.70	121	840	57	15 097	1 770.4	1979	85 07 - GPP
93	2.19	0.140	0.35	0.70	121	840	57	15 739	1 770.4	1979	85 07 - GPP
66	30.50	0.062	0.28	0.82	73	847	73	20 180	2 347.6	1978	81 02
67	49.24	0.067	0.22	0.87	71	834	76	21 725	2 340.0	1978	81 06
82	32.96	0.075	0.26	0.80	106	860	79	21 940	2 423.7	1978	87 05
190	18.48	0.088	0.11	0.80	84	841	80	29 100	2 496.4	1978	79 04
100	45.57	0.060	0.10	0.81	56	835	80	28 448	2 504.4	1978	81 12
52	66.00	0.110	0.07	0.80	71	834	78	22 000	2 400.0	1977	87 07
55	20.00	0.120	0.28	0.79	88	835	74	20 343	2 340.4	1978	80 06
58	46.00	0.120	0.18	0.84	50	842	73	18 740	2 290.3	1979	83 01
51	25.10	0.092	0.32	0.76	100	840	73	17 940	2 285.7	1978	81 11
64	29.22	0.072	0.23	0.82	63	848	69	19 360	2 301.2	1979	86 09
64	12.51	0.113	0.42	0.75	100	844	61	11 750	1 485.5	1984	86 04 - SUSP 86 02
128	2.72	0.090	0.43	0.60	211	803	51	12 812	1 518.8	1985	87 08
64	7.50	0.080	0.45	0.85	55	875	41	10 182	1 373.5	1982	82 07 - SUSP 82 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BLACK 110-09W6								
MUSKEG A	150.0	0.30		45.0		45.0	28.6	16.4
MUSKEG C	360.0	0.15		54.0		54.0	23.1	30.9
KEG RIVER A WATER FLOOD	2 860.0	0.15	0.10	429.0	286.0	715.0	632.9	82.1
KEG RIVER B	222.0	0.10		22.2		22.2	2.6	19.6
BLACKFOOT 022-23W4								
LOWER MANNVILLE A	106.0	0.20		21.2		21.2	16.4	4.8
BLOOR 033-12W4								
GLAUCONITIC C	123.0	0.05		6.2		6.2		6.2
BONANZA 081-11W6								
BOUNDARY A WATER FLOOD	5 910.0	0.12	0.12	739.0	739.0	1 478.0	325.1	1 152.9
BONNIE GLEN 046-27W4								
CARDIUM A	4 130.0	0.05		207.0	ERSD	207.0	197.8	9.2
D-2 A	138.0	<0.08		9.8		9.8	9.8	
D-3 A	125 000.0	<0.68		84 700.0		84 700.0	78 628.9	6 071.1
BOUNDARY LAKE SOUTH 085-13W6								
TRIASSIC B	131.0	<0.01		0.2		0.2	0.2	
TRIASSIC C TOTAL	3 010.0			362.0	324.0	686.0	384.6	301.4
PRIMARY AREA	312.0	0.12		37.6		37.6		
WATER FLOOD AREA	2 700.0	0.12	0.12	324.0	324.0	648.0		
TRIASSIC E TOTAL	11 000.0			1 100.0	2 970.0	4 070.0	2 656.3	1 413.7
PRIMARY AREA	1 130.0	0.10		113.0		113.0		
WATER FLOOD AREA	9 910.0	0.10	0.30	991.0	2 970.0	3 960.0		
TRIASSIC F	50.0	<0.01		0.2		0.2	0.2	
TRIASSIC H WATER FLOOD	3 210.0	0.10	0.18	321.0	578.0	899.0	262.8	636.2
TRIASSIC I	475.6	0.10		47.5		47.5	21.6	25.9
CHARLIE LAKE A	231.0	0.10		23.1		23.1	5.3	17.8
BOUNDARY A	560.0	0.10		56.0		56.0	19.6	36.4
BOUNDARY C	90.8	0.10		9.1		9.1	0.1	9.0
BRAEBURN 077-10W6								
BOUNDARY A	204.0	0.20		40.8		40.8	16.0	24.8
BOUNDARY B	246.0	0.10		24.6		24.6	8.4	16.2
BRANT 019-25W4								
TURNER VALLEY A	103.0	<0.01		0.1		0.1		0.1
BRAZEAU RIVER 046-13W5								
BELLY RIVER A	94.1	<0.01		1.4		1.4	1.4	
BELLY RIVER C	964.0	0.10		96.4		96.4	17.1	79.3
BELLY RIVER D	194.0	0.10		19.4		19.4	5.2	14.2
BELLY RIVER E	568.0	0.10		56.8		56.8	7.0	49.8
BELLY RIVER F	118.0	0.10		11.8		11.8	4.3	7.5
BELLY RIVER G	113.0	0.10		11.3		11.3	1.6	9.7
BELLY RIVER H	1 466.0	0.10		147.0		147.0	16.1	130.9
BELLY RIVER I	127.0	0.10		12.7		12.7	0.2	12.5
BELLY RIVER J	174.0	0.10		17.4		17.4		17.4
BELLY RIVER K	184.0	0.10		18.4		18.4	5.0	13.4
BELLY RIVER M	214.0	0.10		21.4		21.4		21.4
CARDIUM A	193.0	0.10		19.3		19.3	16.3	3.0
CARDIUM C	2 500.0	0.15		375.0		375.0	99.9	275.1
CARDIUM D	89.2	0.10		8.9		8.9	0.5	8.4
CARDIUM G	188.0	0.15		28.2		28.2	7.9	20.3
CARDIUM I	200.0	0.15		30.0		30.0	13.6	16.4
CARDIUM K	117.0	0.12		14.0		14.0	9.7	4.3
CARDIUM O	52.3	0.15		7.8		7.8	2.5	5.3
CARDIUM P	145.0	0.15		21.8		21.8	8.0	13.8
CARDIUM Q	38.6	0.10		3.9		3.9	1.1	2.8
VIKING A	465.0	0.15		70.0		70.0	25.1	44.9
VIKING D	2 335.0	0.15		350.0		350.0	159.8	190.2
VIKING E	87.2	0.15		13.1		13.1	5.7	7.4
LOWER MANNVILLE A	121.0	0.10		12.1		12.1	9.4	2.7
LOWER MANNVILLE B	82.5	<0.03		2.4		2.4	2.4	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	7.54	0.060	0.30	0.74	62	829	85	15 950	1 916.6	1969	82 08 - GPP
48	15.20	0.079	0.16	0.74	96	830	84	16 022	1 863.1	1967	86 11
80	82.00	0.078	0.14	0.65	160	806	91	18 730	1 993.7	1967	79 12 - GPP
20	30.50	0.070	0.20	0.65	160	806	85	16 480	1 742.5	1968	84 12 - SUSP 86 11
128	0.92	0.150	0.25	0.80	83	845	43	12 680	1 542.4	1963	80 03 - GPP
64	2.80	0.180	0.55	0.85	56	862	38	8 417	1 066.6	1982	87 07
2 500	2.60	0.150	0.28	0.84	94	62	54	13 475	1 388.9	1973	87 07
1 318	3.26	0.130	0.16	0.88	41	834	49	14 270	1 204.3	1955	83 12 - GPP
67	6.28	0.057	0.20	0.72	124	815	76	14 270	1 946.5	1952	71 12 - ABAND 71 10
3 120	55.44	0.106	0.06	0.68	141	815	81	17 100	2 165.6	1951	83 12
65	1.83	0.197	0.25	0.75	98	844	46	13 100	1 385.6	1965	68 03 - ABAND 67 09
752					110	844	48	12 640	1 306.1	1968	82 08
64	3.20	0.210	0.91	0.80							
688	2.57	0.210	0.09	0.80							- GPP
3 932					92	846	47	12 860	1 330.0	1964	84 11
384	2.68	0.160	0.13	0.79							
3 548	2.57	0.160	0.14	0.79							
64	0.61	0.175	0.05	0.77	106	844	46	12 560	1 317.7	1965	80 04 - SUSP 79 11
1 498	1.99	0.160	0.15	0.79	92	844	49	12 752	1 283.9	1973	87 11
192	2.08	0.175	0.18	0.83	62	844	47	12 240	1 303.9	1977	80 11
64	2.50	0.210	0.15	0.81	36	927	42	22 719	1 291.3	1983	84 12
320	1.67	0.145	0.13	0.83	90	844	50	11 468	1 287.9	1983	86 05
64	1.60	0.120	0.11	0.83	60	844	50	12 800	1 312.0	1984	86 06
128	2.15	0.130	0.16	0.68	110	813	75	15 078	1 787.3	1982	87 12
64	4.00	0.120	0.13	0.92	16	856	67	14 533	1 843.1	1983	84 01
64	7.70	0.050	0.45	0.76	108	900	64	14 690	1 469.0	1980	80 06 - ABAND 85 08
64	1.80	0.170	0.46	0.89	27	869	33	9 650	1 389.3	1978	84 12 - SUSP 83 09
128	10.73	0.135	0.35	0.80	90	810	58	10 394	1 944.8	1985	86 11
64	5.40	0.120	0.40	0.78	90	853	62	10 164	1 984.4	1985	87 04
320	3.26	0.118	0.43	0.81	82	810	61	10 327	1 806.3	1985	87 02
64	2.70	0.130	0.35	0.81	82	810	61	10 177	1 771.2	1985	85 11
64	4.00	0.090	0.45	0.89	62	826	57	8 769	1 661.1	1985	86 09
256	9.63	0.125	0.39	0.78	111	828	66	11 866	2 020.7	1986	87 11
64	3.50	0.120	0.40	0.79	85	857	53	7 884	1 495.0	1985	86 12
64	4.00	0.140	0.40	0.81	82	810	61	9 500	1 691.2	1986	87 02
64	6.70	0.100	0.45	0.78	90	853	62	10 644	1 981.3	1986	87 04
64	7.00	0.110	0.45	0.79	85	812	53	9 301	1 658.3	1986	87 08
195	1.52	0.140	0.20	0.58	164	788	71	16 550	2 371.3	1966	83 12 - GPP
2 148	2.36	0.100	0.15	0.58	293	784	77	26 331	2 446.4	1980	86 10
64	3.00	0.101	0.20	0.58	164	826	60	19 960	2 100.9	1980	84 02 - GPP
100	4.50	0.090	0.20	0.58	115	783	73	26 177	2 456.8	1981	85 12
103	3.00	0.140	0.20	0.58	240	793	76	25 470	2 417.4	1971	85 12
70	3.00	0.120	0.20	0.58	245	796	76	25 895	2 296.5	1973	85 12
64	1.60	0.110	0.20	0.58	210	760	66	25 834	2 364.4	1985	86 03
128	2.02	0.140	0.31	0.58	235	808	82	26 646	2 364.6	1986	87 07
64	1.50	0.090	0.23	0.58	235	781	82	27 783	2 427.3	1985	87 05
256	1.82	0.160	0.20	0.78	114	815	79	25 240	2 464.0	1973	79 10
2 047	1.26	0.170	0.25	0.71	160	833	80	30 409	2 534.0	1973	87 04
83	1.50	0.120	0.20	0.73	158	834	81	29 908	2 521.2	1984	87 12
65	4.57	0.090	0.30	0.65	184	815	92	39 610	3 120.2	1967	68 05 - GPP
64	1.52	0.170	0.18	0.60	220	804	99	29 950	2 737.7	1975	78 05 - ABAND 84 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BRAZEAU RIVER 046-13W5 (CONTINUED)								
LOWER MANNVILLE C	724.0	0.05		36.2		36.2	2.2	34.0
LOWER MANNVILLE D	110.0	0.10		11.0		11.0	1.2	9.8
ROCK CREEK B	378.0	<0.01		0.8		0.8	0.8	
ROCK CREEK C	506.0	0.10		50.6		50.6		50.6
NISKU A SOLVENT FLOOD	5 300.0	0.40	0.35	2 120.0	1 860.0	3 980.0	2 803.6	1 176.4
NISKU B SOLVENT FLOOD	2 300.0	0.40	0.24	920.0	550.0	1 470.0	810.0	660.0
NISKU C	30.0	<0.14		4.1		4.1	4.1	
NISKU D SOLVENT FLOOD	2 700.0	0.40	0.25	1 080.0	675.0	1 760.0	913.9	846.1
NISKU E SOLVENT FLOOD	2 300.0	0.45	0.20	1 040.0	460.0	1 500.0	1 045.0	455.0
NISKU G	85.0	0.30		25.5		25.5	15.5	10.0
NISKU H	85.0	0.30		25.5		25.5	18.9	6.6
NISKU I	1 060.0	<0.35		369.0		369.0	176.8	192.2
NISKU L	575.0	0.30		173.0		173.0	16.1	156.9
BRUCE 047-14W4								
LOWER MANNVILLE I	372.0	<0.01		0.3		0.3	0.3	
ELLERSLIE PP	315.0	0.10		31.5		31.5	2.2	29.3
STETTLER A	53.0	0.20		10.6		10.6	0.1	10.5
BUFFALO LAKE 039-21W4								
D-3	1 410.0	0.55		776.0		776.0	720.6	55.4
D-3 B	782.0	0.60		470.0		470.0	294.7	175.3
BYEMOOR 034-19W4								
VIKING A	144.0	0.05		7.2		7.2	4.7	2.5
CACHE 057-11W4								
VIKING D	73.5	0.10		7.4		7.4	0.2	7.2
CAMPBELL-NAMAO 054-25W4								
CAMPBELL BLAIRMORE A	2 860.0	0.09		257.0		257.0	238.5	18.5
NAMAO BLAIRMORE C	216.0	0.18		38.9		38.9	35.1	3.8
NAMAO BLAIRMORE D	176.0	0.15		26.4		26.4	22.0	4.4
NAMAO BLAIRMORE E	2 940.0	0.06		176.0		176.0	167.3	8.7
NAMAO BLAIRMORE F	3 960.0	0.10		396.0		396.0	197.6	198.4
BLAIRMORE G	262.0	<0.01		1.3		1.3	1.3	
BLAIRMORE J	1 110.0	0.09		100.0		100.0	49.7	50.3
BLAIRMORE M	109.0	<0.01		0.1		0.1		0.1
BLAIRMORE N	190.0	0.10		19.0		19.0	2.0	17.0
BLAIRMORE P	84.1	0.10		8.4		8.4	0.3	8.1
WABAMUN A	108.0	0.10		10.8		10.8	1.0	9.8
CARBON 029-22W4								
PEKISKO B	133.0	0.06		8.0		8.0	5.7	2.3
PEKISKO E	133.0	<0.10		12.5		12.5	11.4	1.1
CARDIFF 055-02W5								
ELLERSLIE B	122.0	0.10		12.2		12.2	0.6	11.6
WABAMUN A	1 130.0	0.10		113.0		113.0	18.7	94.3
CAROLINE 035-06W5								
FIRST WHITE SPECKS A	85.2	<0.03		2.1		2.1	2.1	
CARDIUM A	191.0	<0.02		2.7		2.7	2.7	
CARDIUM B	58.0	<0.09		5.2		5.2	5.2	
CARDIUM C	191.0	<0.05		9.5		9.5	7.1	2.4
CARDIUM D	96.5	0.04		3.9		3.9	3.1	0.8
CARDIUM E TOTAL	8 891.0			801.0	1 412.0	2 213.0	1 236.0	977.0
PRIMARY AREA	51.6	0.10		5.2		5.2		
SOLVENT FLOOD AREA	4 400.0	0.09	0.21	396.0	924.0	1 320.0		
WATER FLOOD AREA	4 439.0	0.09	0.11	399.9	487.9	887.9		
CARDIUM F	530.0	0.09		47.7		47.7	38.3	9.4
CARDIUM G	101.0	<0.02		1.7		1.7	1.7	
CARDIUM H	65.9	0.06		4.0		4.0	2.5	1.5
CARDIUM I	94.2	0.15		14.1		14.1	6.9	7.2
SECOND WHITE SPECKS A	164.0	<0.01		0.9		0.9	0.9	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	9.75	0.210	0.15	0.65	177	812	95	32 960	3 079.1	1974	87 04 - SUSP 84 11
64	2.70	0.150	0.35	0.65	180	803	93	27 319	2 884.2	1967	84 10
64	8.43	0.124	0.32	0.83	65	803	72	30 251	2 776.3	1983	84 09 - SUSP 85 10
64	11.30	0.125	0.20	0.70	110	808	96	23 570	2 926.7	1976	85 03 - SUSP 85 03
108	73.20	0.110	0.10	0.68	178	806	107	46 530	3 107.4	1978	81 01
90	68.80	0.058	0.14	0.74	130	816	102	32 520	3 070.1	1978	87 12
5	28.65	0.040	0.15	0.60	195	820	107	33 233	3 101.0	1978	83 10 - SUSP 84 06
157	45.10	0.065	0.13	0.67	183	815	102	34 490	3 068.8	1978	85 07
142	40.00	0.100	0.12	0.46	354	799	108	46 200	3 200.0	1978	81 07
20	22.30	0.045	0.23	0.55	255	813	100	38 230	3 148.5	1978	84 12
102	2.45	0.060	0.10	0.63	189	806	105	43 780	3 133.6	1978	87 12
112	47.10	0.050	0.20	0.50	396	802	102	33 660	3 044.2	1979	80 08
106	15.70	0.123	0.17	0.34	672	788	105	40 977	3 197.5	1982	83 11
64	3.40	0.230	0.20	0.93	27	910	34	6 181	865.8	1978	83 12 - SUSP 82 02
64	2.70	0.250	0.20	0.91	35	887	35	6 030	984.6	1985	86 05
64	2.80	0.060	0.42	0.85	60	868	40	8 300	1 082.3	1986	87 03
65	28.65	0.101	0.09	0.83	74	892	59	15 170	1 685.2	1961	69 03 - GPP
43	26.80	0.100	0.15	0.81	83	887	57	14 070	1 676.7	1967	84 04
64	2.00	0.200	0.34	0.85	62	828	42	8 079	1 166.0	1979	83 12
64	1.20	0.230	0.48	0.80	20	888	28	4 139	475.1	1983	85 06
809	3.08	0.174	0.25	0.88	41	870	47	8 450	1 132.0	1949	85 12 - GPP
47	3.96	0.180	0.29	0.91	41	870	47	8 340	1 136.0	1953	85 12 - GPP
32	3.66	0.210	0.22	0.91	41	870	48	8 410	1 142.1	1959	81 12 - GPP
503	4.18	0.213	0.20	0.82	41	870	46	8 270	1 115.9	1951	67 05 - GPP - MRL
534	4.63	0.220	0.20	0.91	41	870	46	7 830	1 115.9	1966	76 12 - GPP
64	3.08	0.200	0.27	0.91	35	898	34	6 890	1 123.5	1951	83 12 - SUSP 83 11
313	2.57	0.220	0.30	0.90	43	892	35	7 920	1 142.4	1977	80 12 - GPP
64	1.80	0.150	0.30	0.90	38	850	37	5 194	1 143.3	1983	84 09 - ABAND 84 07
64	4.50	0.150	0.50	0.88	45	864	41	8 248	1 102.8	1984	85 04 - GPP
64	1.60	0.210	0.57	0.91	39	879	30	7 349	1 072.5	1985	86 05 - SUSP 86 03
64	1.70	0.180	0.35	0.85	48	854	38	7 389	1 167.9	1981	86 12
64	5.50	0.065	0.30	0.83	69	865	53	11 610	1 574.9	1973	86 12 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 631	1 592.8	1978	85 03 - GPP
64	2.00	0.270	0.12	0.40	110	788	51	9 900	1 279.0	1985	85 07
256	7.96	0.110	0.44	0.90	50	930	43	10 532	1 401.4	1983	86 04
65	2.44	0.120	0.40	0.75	105	881	66	22 170	2 046.1	1975	76 09 - SUSP 76 01
16	12.80	0.151	0.20	0.76	142	797	73	26 030	2 255.5	1961	69 05 - ABAND 67 10
64	3.82	0.039	0.20	0.76	142	801	66	27 240	2 362.8	1965	83 12 - SUSP 82 03
129	1.95	0.158	0.20	0.60	257	784	73	27 550	2 402.7	1973	74 05
64	2.07	0.140	0.20	0.65	186	811	66	27 510	2 378.4	1975	84 12 - GPP
9 598					352	797	73	28 880	2 535.3	1976	87 03
64	1.79	0.100	0.15	0.53							
5 107	1.86	0.103	0.15	0.53							
4 427	2.25	0.103	0.15	0.53							
467	3.06	0.080	0.20	0.58	246	801	77	28 030	2 451.9	1976	79 12
64	3.05	0.110	0.15	0.55	312	801	69	22 090	2 429.4	1975	78 02 - SUSP 83 06
65	1.83	0.120	0.20	0.58	246	801	74	21 930	2 412.2	1975	78 04 - GPP
64	2.10	0.110	0.15	0.75	140	836	70	22 271	2 521.8	1985	87 04
64	5.00	0.100	0.30	0.73	120	820	65	20 380	2 621.5	1979	81 12 - ABAND 83 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
CAROLINE 035-06W5 (CONTINUED)								
VIKING A	9 800.0	0.12		1 180.0		1 180.0	892.7	287.3
VIKING F	157.0	0.10		15.7		15.7	10.1	5.6
VIKING G	219.0	<0.13		27.1		27.1	2.1	25.0
VIKING H	82.2	<0.06		4.8		4.8	4.8	
VIKING I	140.0	<0.02		1.7		1.7	1.7	
VIKING J	157.0	0.05		7.9		7.9	2.0	5.9
VIKING L	73.9	0.15		11.1		11.1	8.4	2.7
VIKING M	164.0	0.01		1.6		1.6	0.6	1.0
VIKING N	37.3	0.10		3.7		3.7	0.3	3.4
VIKING O	122.0	0.10		12.2		12.2	1.7	10.5
VIKING P	89.1	0.10		8.9		8.9	0.4	8.5
UPPER MANNVILLE A	187.0	<0.01		0.4		0.4	0.4	
BASAL MANNVILLE W	211.0	0.10		21.1		21.1	0.1	21.0
BASAL MANNVILLE TTT MU #3	130.0	0.20		26.0		26.0	21.7	4.3
BASAL MANNVILLE A2A	161.0	0.05		8.1		8.1	0.9	7.2
BASAL MANNVILLE C2C, D2D, E2E & F2F	141.0	0.10		14.1		14.1	0.8	13.3
BASAL MANNVILLE G2G, H2H & I2I	118.0	0.10		11.8		11.8	1.2	10.6
ELLERSLIE A	153.0	0.15		23.0		23.0	10.9	12.1
ELLERSLIE B	207.0	0.15		31.1		31.1	12.6	18.5
RUNDLE A TOTAL	9 900.0			1 800.0	661.0	2 460.0	1 957.3	502.7
PRIMARY AREA	5 180.0	0.20		1 040.0		1 040.0		
WATER FLOOD AREA	4 720.0	0.16	0.14	755.0	661.0	1 420.0		
ELKTON M	461.0	0.15		69.2		69.2	14.5	54.7
CARROT CREEK 052-13W5								
CARDIUM A TOTAL	867.8			104.4	85.0	189.4	100.1	89.3
PRIMARY AREA	211.8	0.12		25.4		25.4		
WATER FLOOD AREA	656.0	0.12	0.13	79.0	85.0	164.0		
CARDIUM B	509.0	0.05		25.5	ERSO	25.5	23.4	2.1
CARDIUM C	636.0	0.05		31.8		31.8	21.9	9.9
CARDIUM D	3 000.0	0.10		300.0	ERSO	300.0	133.9	166.1
CARDIUM E WATER FLOOD	433.0	0.15	0.10	65.0	43.3	108.3	30.8	77.5
CARDIUM F WATER FLOOD	5 430.0	0.15	0.20	803.0	1 097.0	1 901.0	407.4	1 493.6
CARDIUM H	24.8	<0.03		0.5		0.5	0.5	
CARDIUM I	173.0	0.10		17.3		17.3	14.4	2.9
CARDIUM K	2 500.0	0.12		300.0	ERSO	300.0	110.1	189.9
CARDIUM N	84.4	<0.02		1.4		1.4	1.4	
CARDIUM S	435.0	0.10		43.5		43.5	11.9	31.6
CARDIUM V	162.0	0.10		16.2		16.2		16.2
CARDIUM AA	85.6	0.10		8.6		8.6	3.2	5.4
CARDIUM DD	360.0	0.10		36.0		36.0	5.6	30.4
CARDIUM EE	669.0	0.15		100.0		100.0	15.6	84.4
CARDIUM FF	186.0	0.10		18.6		18.6	1.2	17.4
CARDIUM GG	348.0	0.10		34.8		34.8	13.7	21.1
CARDIUM HH	318.0	0.10		31.8		31.8	6.7	25.1
CARDIUM II	178.0	0.15		26.7		26.7		26.7
CARDIUM JJ	598.0	0.15		89.7		89.7	4.4	85.3
CARDIUM KK	193.0	0.10		19.3		19.3	3.7	15.6
LOWER MANNVILLE A	301.0	0.01		3.0		3.0	1.7	1.3
LOWER MANNVILLE B	221.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE C	213.0	0.05		10.7		10.7	3.2	7.5
LOWER MANNVILLE N	73.7	0.10		7.4		7.4	1.2	6.2
LOWER MANNVILLE T	174.0	0.04		7.0		7.0	2.2	4.8
LOWER MANNVILLE V	154.0	0.10		15.4		15.4	2.7	12.7
LOWER MANNVILLE M JURASSIC O&P	4 600.0	0.08		368.0		368.0	142.3	225.7
JURASSIC A	213.0	<0.01		0.2		0.2	0.2	
JURASSIC X & AA	254.0	0.10		25.4		25.4	2.0	23.4
CARSON CREEK NORTH 062-12W5								
BEAVERHILL LAKE A & B TOTAL	57 720.0			9 127.0	17 730.0	26 860.0	21 557.1	5 302.9
PRIMARY AREA	123.8	<0.14		16.8		16.8		
WATER FLOOD AREA	57 600.0	<0.17	0.31	9 110.0	17 730.0	26 840.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
7 744	3.10	0.080	0.30	0.73	89	825	89	17 000	2 663.0	1962	80 08 - GPP
98	3.05	0.100	0.30	0.75	89	825	89	16 980	2 471.0	1968	83 06 - GPP
192	3.23	0.076	0.38	0.75	139	793	77	17 580	2 716.6	1977	82 04 - GPP
64	4.74	0.070	0.47	0.73	110	724	85	21 781	2 786.9	1979	80 06 - ABAND 83 01
64	7.02	0.074	0.37	0.67	200	788	60	17 323	2 714.5	1978	83 12 - ABAND 80 11
64	6.50	0.070	0.25	0.72	125	849	60	17 020	2 677.5	1980	83 09 - GPP
64	3.70	0.080	0.35	0.60	213	844	85	16 880	2 457.3	1955	82 12 - SUSP 86 04
64	6.10	0.100	0.30	0.60	210	844	66	20 041	2 417.0	1962	83 12 - GPP
64	1.90	0.069	0.26	0.60	200	839	85	16 880	2 457.2	1985	85 12
64	7.50	0.065	0.35	0.60	195	803	89	19 247	2 574.7	1982	82 11
64	3.00	0.090	0.23	0.67	181	808	78	17 640	2 583.0	1986	87 04
64	4.00	0.130	0.12	0.64	181	863	81	27 724	2 718.9	1981	86 12 - SUSP 85 08
64	5.00	0.110	0.22	0.77	78	811	110	14 500	2 839.5	1980	82 06 - SUSP 86 02
64	2.70	0.130	0.25	0.77	483	811	92	30 697	2 698.0	1959	87 05 - GPP
64	3.90	0.130	0.20	0.62	191	806	88	27 489	2 724.7	1982	87 12 - GPP
64	4.60	0.090	0.24	0.70	191	807	88	29 133	2 542.7	1986	87 01
64	2.70	0.120	0.19	0.70	191	807	88	30 400	2 555.0	1986	87 01 - GPP
64	5.82	0.073	0.25	0.75	105	830	88	28 698	2 800.6	1981	84 12
64	4.90	0.100	0.12	0.75	125	832	92	28 850	2 916.6	1981	84 12
3 700					152	844	89	23 580	2 698.7	1955	86 12 - GPP
2 241	5.71	0.074	0.24	0.72							
1 459	7.99	0.074	0.24	0.72							
64	10.30	0.120	0.19	0.72	150	847	31	23 526	2 724.9	1985	86 11
403					53	834	57	10 310	1 661.2	1963	86 09 - GPP
96	3.54	0.100	0.27	0.85							
307	5.08	0.066	0.25	0.85							
404	2.99	0.065	0.20	0.81	62	829	61	10 480	1 661.2	1966	82 12 - GPP
259	3.96	0.080	0.10	0.86	57	849	70	9 980	1 614.2	1973	75 12 - GPP
960	5.32	0.820	0.15	0.84	65	844	52	10 450	1 596.4	1973	87 11
128	7.54	0.060	0.13	0.86	78	835	57	10 539	1 640.4	1980	86 09
1 806	4.66	0.090	0.14	0.83	65	854	56	10 247	1 602.3	1980	87 12
64	1.20	0.070	0.40	0.77	63	840	57	8 997	1 605.4	1979	81 03 - SUSP 85 05
64	4.99	0.071	0.10	0.86				7 236	1 510.0	1967	84 12
837	5.81	0.072	0.15	0.84	50	838	68	10 889	1 769.2	1983	87 08
64	2.65	0.065	0.11	0.86	78	835	57	8 710	1 641.6	1981	83 11 - SUSP 85 07
192	3.74	0.080	0.11	0.85	65	836	56	12 335	1 520.4	1984	85 11
64	3.00	0.110	0.10	0.85	50	838	68	9 020	1 628.4	1984	84 12
128	1.69	0.066	0.25	0.80	48	842	68	9 051	1 564.2	1984	85 08 - GPP
64	11.38	0.083	0.30	0.85	50	852	68	7 837	1 586.6	1985	85 12
128	9.32	0.070	0.10	0.89	51	845	56	9 099	1 597.9	1985	86 07
64	2.70	0.170	0.21	0.80	104	826	63	9 063	1 565.5	1983	85 10
128	6.82	0.070	0.33	0.85	54	837	57	10 486	1 589.9	1983	86 12
128	5.29	0.080	0.31	0.85	61	819	60	10 469	1 570.8	1985	86 10
64	5.51	0.075	0.21	0.85	61	832	60	9 794	1 553.3	1986	87 01
128	10.47	0.070	0.25	0.85	61	819	60	10 386	1 579.2	1986	87 02
128	3.94	0.060	0.25	0.85	61	819	60	9 831	1 552.1	1986	87 04
64	6.40	0.150	0.30	0.70	135	835	62	15 560	2 182.5	1978	82 12 - GPP
64	6.40	0.140	0.45	0.70	125	842	82	17 910	2 175.2	1979	85 09 - SUSP 84 05
64	6.04	0.120	0.35	0.70	168	814	63	16 517	2 223.0	1979	83 12 - GPP
64	2.30	0.130	0.45	0.70	130	884	86	17 794	2 180.9	1980	82 03 - GPP
64	5.00	0.120	0.38	0.73	110	846	59	15 978	2 129.3	1981	86 12
64	5.20	0.096	0.35	0.74	105	826	78	15 560	2 100.0	1986	87 03
1 054	8.61	0.110	0.36	0.72	53	834	57	16 999	2 127.4	1976	84 04
64	7.00	0.100	0.35	0.73	125	850	60	17 000	2 187.5	1979	83 12 - ABAND 80 02
64	7.50	0.130	0.45	0.74	115	864	60	16 853	2 192.8	1979	85 03 - GPP
6 581					274	806	88	25 880	2 662.7	1958	87 04
128	3.84	0.050	0.16	0.60							
6 453	19.90	0.089	0.16	0.60							

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CARSTAIRS 030-02W5								
CARDIUM A	240.0	0.03		7.2		7.2	2.2	5.0
CARDIUM B	23.3	<0.01		0.2		0.2	0.2	
BLACKSTONE A	129.0	<0.01		0.1		0.1	0.1	
VIKING B	709.0	0.10		70.9		70.9	12.2	58.7
VIKING C	131.0	0.10		13.1		13.1	3.5	9.6
CAVALIER 024-23W4								
GLAUCONITIC A	449.0	0.10		44.9		44.9	13.1	31.8
CESSFORD 025-13W4								
VIKING Y	145.0	<0.01		0.1		0.1		0.1
GLAUCONITIC T & MANNVILLE HH	191.0	0.03		5.7		5.7	2.4	3.3
BANFF B	6 800.0	0.10		680.0		680.0	211.1	468.9
BANFF E	125.0	0.10		12.5		12.5	1.2	11.3
CHAIN 033-17W4								
VIKING A	49.5	<0.01		0.1		0.1		0.1
VIKING D	516.0	0.12		61.9		61.9	40.6	21.3
VIKING E	61.9	<0.03		1.5		1.5	1.5	
BANFF A	3 100.0	0.15		465.0		465.0	81.2	383.8
BANFF B	108.0	0.10		10.8		10.8	3.8	7.0
BANFF D	97.8	0.20		19.6		19.6	6.2	13.4
BANFF E	27.6	0.10		2.8		2.8	0.2	2.6
BANFF F	181.0	0.15		27.2		27.2	1.2	26.0
CHAMBERLAIN 052-23W4								
BLAIRMORE	509.0	<0.05		24.3		24.3	24.3	
CHEDDERVILLE 037-07W5								
CARDIUM A	75.2	0.10		7.5		7.5	0.4	7.1
CHERHILL 056-05W5								
VIKING C	101.0	0.15		15.2		15.2	12.3	2.9
VIKING D	124.0	<0.01		1.1		1.1	1.1	
DETRITAL A	58.1	0.10		5.8		5.8	0.9	4.9
NORDEGG A	439.0	0.10		43.9		43.9	12.0	31.9
JURASSIC B	351.0	<0.01		0.6		0.6	0.6	
BANFF A TOTAL	3 000.0			599.0	500.0	1 100.0	458.0	642.0
PRIMARY AREA	215.0	0.20		43.0		43.0		
WATER FLOOD AREA	2 780.0	0.20	0.18	556.0	500.0	1 060.0		
BANFF D	1 200.0	0.15		181.0		181.0	104.7	76.3
BANFF G	1 020.0	0.03		30.6		30.6	12.7	17.9
BANFF H	2 843.0	0.10		284.0		284.0	39.5	244.5
BANFF I	1 880.0	0.40		756.0		756.0	754.4	1.6
BANFF J	109.0	<0.05		5.2		5.2	5.2	
BANFF K	217.0	0.20		43.0		43.0	7.2	35.8
BANFF L	383.0	0.20		76.6		76.6	43.2	33.4
BANFF M	2 280.0	0.20		456.0		456.0	128.4	327.6
BANFF N	222.0	0.20		44.4		44.4	13.1	31.3
BANFF O	351.0	0.15		52.7		52.7	10.9	41.8
BANFF P	327.0	0.10		32.7		32.7	0.1	32.6
CHICKADEE 061-16W5								
GETHING D	88.1	0.10		8.8		8.8	0.2	8.6
CHIGWELL 041-24W4								
VIKING B TOTAL	2 370.0			284.0	127.0	411.0	246.6	164.4
PRIMARY AREA	1 310.0	0.12		157.0		157.0		
WATER FLOOD AREA	1 060.0	0.12	0.12	127.0	127.0	254.0		
VIKING D	89.5	0.10		9.0		9.0	4.2	4.8
VIKING E	8 150.0	0.10		815.0		815.0	172.9	642.1
VIKING F	226.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	134.0	<0.01		0.2		0.2	0.2	
MANNVILLE H	289.0	0.10		28.9		28.9	11.7	17.2
MANNVILLE I	169.0	0.02		3.4		3.4	2.6	0.8
MANNVILLE K	45.9	0.05		2.3		2.3	1.0	1.3
MANN E & UP MANN A	8 290.0	0.07		580.0		580.0	300.0	280.0
UPPER MANNVILLE B	275.0	0.03		8.3		8.3	4.2	4.1
UPPER MANNVILLE C	261.0	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	114.0	<0.01		0.5		0.5	0.5	
D-2 A	473.0	0.20		94.6		94.6	57.7	36.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	6.00	0.130	0.35	0.74	119	836	66	22 297	1 981.0	1983	86 12
64	1.00	0.070	0.35	0.80	82	854	59	16 512	1 956.5	1983	84 10 - SUSP 84 08
64	4.50	0.080	0.30	0.80	85	844	61	20 904	2 037.0	1983	85 03 - SUSP 85 06
128	9.63	0.110	0.37	0.83	68	835	71	13 708	2 206.8	1958	86 03
64	3.00	0.150	0.45	0.83	68	835	71	12 017	2 175.0	1980	84 04 - GPP
128	2.82	0.190	0.21	0.83	70	871	49	11 806	1 586.3	1979	83 06 - GPP
64	2.80	0.150	0.40	0.90	40	850	30	7 260	860.9	1985	86 06 - SUSP 86 01
64	5.00	0.140	0.48	0.82	70	863	47	9 062	1 274.8	1981	85 12
2 501	3.92	0.145	0.45	0.87	46	877	40	9 988	1 282.1	1973	82 07
64	2.20	0.160	0.37	0.88	55	857	50	8 159	1 232.8	1985	86 05 - GPP
64	1.00	0.150	0.40	0.86	50	838	42	6 594	1 067.3	1984	85 10 - ABAND 86 05
632	0.90	0.170	0.38	0.86	62	834	34	8 210	1 125.6	1977	86 10
64	2.50	0.090	0.50	0.86	53	838	39	8 123	1 142.3	1983	84 08 - SUSP 83 10
768	9.60	0.070	0.23	0.78	112	865	40	13 928	1 259.5	1984	87 02
64	2.50	0.140	0.40	0.80	50	860	38	9 393	1 236.8	1985	86 03 - GPP
64	4.00	0.070	0.30	0.78	112	856	43	8 350	1 297.3	1985	87 12
64	2.50	0.050	0.54	0.75	113	860	40	8 917	1 240.8	1985	86 08
64	10.30	0.050	0.27	0.75	113	868	40	9 195	1 249.1	1977	86 11
45	7.53	0.252	0.32	0.88	41	892	46	8 210	1 126.5	1952	64 04 - ABAND 70 09
64	1.70	0.120	0.20	0.72	115	815	70	22 390	2 253.2	1985	86 03
64	1.24	0.190	0.20	0.84	62	844	56	8 140	1 140.6	1974	83 12
64	1.86	0.160	0.25	0.87	55	849	38	7 515	1 157.3	1977	83 12 - SUSP 82 03
64	1.00	0.170	0.40	0.89	74	867	45	11 140	1 304.8	1983	86 10
128	3.80	0.170	0.39	0.87	56	900	38	10 894	1 343.0	1973	82 07
64	6.19	0.180	0.40	0.82	62	901	50	10 855	1 357.0	1979	83 12 - SUSP 82 07
573					103	865	44	11 310	1 322.6	1966	84 08
64	13.20	0.050	0.33	0.76							
509	7.33	0.140	0.30	0.76							
209	9.61	0.121	0.35	0.76	73	865	47	10 791	1 338.7	1979	87 08
64	14.10	0.200	0.35	0.87	53	907	46	11 055	1 369.7	1980	83 12 - GPP
320	7.87	0.200	0.32	0.83	68	825	41	11 019	1 370.6	1979	87 07
602	4.19	0.140	0.30	0.76				11 187	1 315.9	1980	85 12
32	4.57	0.140	0.30	0.76				10 035	1 345.9	1968	82 09 - SUSP 84 07
32	9.09	0.140	0.30	0.76				11 365	1 331.9	1982	82 09
128	5.48	0.100	0.35	0.84	66	870	50	11 063	1 325.1	1976	82 12
192	12.90	0.160	0.29	0.81	82	863	41	11 296	1 324.2	1982	85 03
32	9.40	0.130	0.34	0.86	48	910	64	11 200	1 329.4	1982	83 04
64	10.10	0.100	0.33	0.81	82	863	46	11 080	1 327.0	1983	83 10
64	3.70	0.240	0.33	0.86	48	892	64	10 904	1 351.2	1984	84 12 - SUSP 86 01
64	2.73	0.120	0.40	0.70	156	824	82	13 613	1 830.4	1980	81 11 - SUSP 86 05
1 379					50	844	46	7 830	1 425.9	1962	85 09
800	2.34	0.130	0.40	0.90							
579	2.60	0.130	0.40	0.90							
64	3.20	0.120	0.60	0.91	34	830	58	7 975	1 464.6	1982	83 07
3 376	3.24	0.130	0.37	0.91	34	858	58	8 000	1 403.3	1983	85 10
64	5.70	0.120	0.40	0.86	48	817	57	5 482	1 420.9	1983	85 08 - SUSP 84 07
65	1.83	0.150	0.15	0.89	39	910	51	12 410	1 648.7	1977	77 06 - ABAND 78 05
64	4.00	0.170	0.20	0.83	59	915	63	12 392	1 595.1	1978	78 10
64	2.20	0.170	0.15	0.83	58	850	63	3 310	1 627.3	1978	82 12 - GPP
64	1.20	0.180	0.60	0.83	59	874	63	11 442	1 572.8	1985	86 06
5 376	1.51	0.150	0.18	0.83	33	921	48	13 450	1 581.6	1976	83 02 - GPP
65	3.35	0.180	0.15	0.83	59	915	63	13 410	1 602.3	1977	80 12 - GPP
64	4.00	0.150	0.20	0.85	80	700	60	7 660	1 443.0	1979	80 06 - ABAND 81 01
64	2.00	0.150	0.30	0.85	54	899	62	14 877	1 539.5	1980	83 12 - SUSP 81 12
117	10.63	0.065	0.22	0.75	106	829	70	15 860	1 848.0	1955	84 01 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
CHIGWELL 041-24W4 (CONTINUED)								
D-2 B	116.0	<0.07		7.1		7.1	7.1	
D-2 C	499.0	0.12		59.9		59.9	50.9	9.0
D-2 D	98.5	<0.03		2.0		2.0	2.0	
D-3 A	108.0	<0.05		4.8		4.8	4.8	
D-3 B	766.0	0.35		268.0		268.0	156.9	111.1
D-3 C	254.0	<0.01		0.4		0.4	0.4	
D-3 E	540.0	0.45		243.0		243.0	50.2	192.8
CHIGWELL NORTH 042-24W4								
D-3 A	110.0	<0.01		0.5		0.5	0.5	
CHIP LAKE 053-10W5								
ROCK CREEK A	444.0	0.10		44.4		44.4	6.9	37.5
CINDY 077-01W6								
D-1 A	480.0	0.20		96.0		96.0	2.1	93.9
CLARESHOLM 013-26W4								
BARONS A	300.0	0.20		60.0		60.0	25.3	34.7
GLAUCONITIC C	58.7	0.10		5.9		5.9	2.2	3.7
RUNDLE A	1 920.0	0.04		76.8		76.8	50.0	26.8
RUNDLE B	1 340.0	0.03		40.2		40.2	30.5	9.7
RUNDLE C	56.1	<0.08		4.2		4.2	4.2	
RUNDLE F	186.0	<0.03		3.8		3.8	3.8	
CLIVE 040-24W4								
GLAUCONITIC A	195.0	<0.01		0.1		0.1		0.1
GLAUCONITIC B	64.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC C	242.0	0.05		12.1		12.1		12.1
D-2 A TOTAL	7 703.0			2 615.0	895.0	3 510.0	2 373.0	1 137.0
PRIMARY AREA	243.0	0.02		4.9		4.9		
WATER FLOOD AREA	7 460.0	0.35	0.12	2 610.0	895.0	3 505.0		
D-2 B TOTAL	683.0			126.0	50.0	176.0	166.2	9.8
PRIMARY AREA	183.0	<0.01		1.0		1.0		
WATER FLOOD AREA	500.0	0.25	0.10	125.0	50.0	175.0		
D-2 C	34.8	<0.07		2.2		2.2	2.2	
D-3 A TOTAL	13 400.0			5 020.0	1 970.0	6 990.0	5 272.5	1 717.5
PRIMARY AREA	1 060.0	0.08		84.8		84.8		
WATER FLOOD AREA	12 300.0	<0.50	0.16	4 940.0	1 970.0	6 910.0		
CLOVER 061-17W5								
GETHING A	60.5	0.01		0.1		0.1		0.1
COSWAY 030-26W4								
RUNDLE A	91.3	<0.01		0.3		0.3	0.3	
COUTTS 001-16W4								
MOULTON A TOTAL	2 060.0			411.0	262.0	673.0	482.3	190.7
PRIMARY AREA	746.0	0.20		149.0		149.0		
WATER FLOOD AREA	1 310.0	0.20	0.20	262.0	262.0	524.0		
MOULTON B	89.0	<0.01		0.7		0.7	0.7	
MOULTON C	1 560.0	0.03		46.8		46.8	32.2	14.6
COYOTE 029-15W4								
GLAUCONITIC G	94.1	<0.01		0.1		0.1	0.1	
BANFF A	70.3	<0.01		0.3		0.3	0.3	
BANFF B	628.0	<0.01		0.1		0.1	0.1	
CRAIGMYLE 032-16W4								
GLAUCONITIC B	299.0	0.10		29.9		29.9	0.6	29.3
ELLERSLIE E	187.0	0.10		18.7		18.7	0.7	18.0
BANFF A	217.0	0.10		21.7		21.7	6.1	15.6
BANFF B	156.0	0.10		15.6		15.6	2.9	12.7
BANFF E	176.0	<0.01		0.1		0.1	0.1	
BANFF G	79.4	<0.01		0.1		0.1		0.1
BANFF I	747.0	0.15		112.0		112.0	14.2	97.8
BANFF J	236.0	0.15		35.4		35.4	5.9	29.5
BANFF K	248.0	0.15		37.2		37.2	7.6	29.6
BANFF L	113.0	0.10		11.3		11.3	0.7	10.6
BANFF M	31.5	0.15		4.7		4.7		4.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
65	2.59	0.140	0.42	0.85	106	829	71	16 890	1 882.4	1959	73 02 - ABAND 72 05
404	4.57	0.045	0.25	0.80	83	829	72	16 930	1 871.8	1968	83 12 - GPP
65	3.96	0.060	0.20	0.80	83	829	57	14 070	1 872.7	1974	75 08 - SUSP 77 07
128	3.02	0.050	0.19	0.69	147	820	60	17 380	1 943.7	1964	83 09 - ABAND 83 09
128	12.16	0.080	0.18	0.75	105	855	63	16 840	1 938.5	1968	84 12 - GPP
64	5.50	0.110	0.10	0.73	110	844	65	19 125	2 131.3	1981	82 03 - SUSP 81 12
100	14.37	0.062	0.17	0.73	129	834	71	14 270	1 907.8	1984	86 06
64	4.50	0.070	0.25	0.73	120	844	59	13 653	1 843.3	1980	82 03 - SUSP 84 07
64	10.50	0.125	0.34	0.80	85	838	58	18 475	1 810.0	1981	82 04
64	21.80	0.050	0.14	0.80	72	842	70	22 049	2 118.9	1985	85 05 - SUSP 86 02
114	3.80	0.130	0.22	0.68	150	810	51	15 200	2 109.7	1980	84 04
64	1.30	0.120	0.30	0.84	65	857	50	8 486	1 780.7	1980	82 12
129	28.96	0.086	0.16	0.71	131	844	55	19 700	2 065.9	1972	78 12 - GPP
194	14.11	0.081	0.15	0.71	131	844	54	19 650	2 065.6	1972	78 12
65	3.05	0.060	0.35	0.73	128	849	60	20 540	2 068.1	1968	73 01 - SUSP 85 09
64	13.00	0.035	0.15	0.75	135	863	67	24 479	2 180.0	1980	81 10 - ABAND 82 05
64	4.00	0.130	0.35	0.90	35	881	62	7 240	1 585.1	1978	79 01 - ABAND 79 09
64	1.40	0.120	0.30	0.85	58	881	62	11 370	1 578.7	1978	83 12 - SUSP 79 03
64	3.60	0.160	0.27	0.90	35	881	45	10 189	1 520.0	1982	87 05
3 380					148	820	69	17 000	1 868.4	1951	87 05
100	9.00	0.049	0.20	0.69							
3 280	8.24	0.050	0.20	0.69							
322					148	820	68	16 410	1 841.4	1966	87 03 - GPP
64	5.89	0.080	0.12	0.69							
258	6.12	0.052	0.12	0.69							
65	1.22	0.080	0.20	0.69	142	820	67	17 070	1 886.4	1965	70 05 - ABAND 67 01
4 546					155	825	66	17 510	1 898.0	1952	84 12
339	10.30	0.055	0.20	0.69							
4 207	9.63	0.055	0.20	0.69							
64	1.50	0.150	0.40	0.70	156	824	82	15 461	2 018.0	1980	83 12 - SUSP 83 12
64	5.80	0.050	0.40	0.82	72	869	59	11 933	1 753.1	1978	79 05 - SUSP 79 06
418					55	825	29	6 520	783.3	1966	82 08
192	3.74	0.170	0.29	0.86							
226	4.69	0.200	0.28	0.86							
64	2.16	0.150	0.50	0.86	64	825	29	6 370	766.0	1970	83 12 - ABAND 86 04
128	9.98	0.200	0.29	0.86	55	825	27	5 800	757.2	1972	85 12
64	1.50	0.220	0.45	0.81	64	876	43	9 300	1 296.8	1982	84 02 - SUSP 85 02
64	3.00	0.080	0.48	0.88	33	859	47	8 829	1 295.0	1985	85 09 - ABAND 87 01
64	26.80	0.070	0.33	0.78	60	876	45	8 925	1 303.6	1986	86 08 - SUSP 86 08
64	4.50	0.270	0.50	0.77	40	871	51	9 528	1 254.6	1985	85 12 - GPP
64	3.40	0.180	0.38	0.77	58	880	42	9 360	1 273.7	1986	86 08
64	9.50	0.070	0.40	0.85	65	869	43	9 641	1 251.8	1984	84 10 - GPP
64	9.00	0.058	0.45	0.85	60	859	39	9 008	1 296.0	1986	86 10
64	15.00	0.037	0.34	0.75	88	860	40	9 282	1 245.7	1986	87 03 - SUSP 87 02
64	4.80	0.040	0.24	0.85	61	860	42	9 420	1 237.7	1986	87 04 - SUSP 87 02
128	14.86	0.060	0.23	0.85	60	869	36	9 489	1 268.0	1986	87 04
64	13.00	0.047	0.29	0.85	62	898	41	9 300	1 263.0	1985	86 11
64	10.50	0.060	0.31	0.89	45	898	41	11 011	1 296.3	1985	86 06
64	8.10	0.040	0.36	0.85	64	880	40	9 665	1 275.1	1986	86 08
64	4.00	0.030	0.45	0.75	88	878	40	10 952	1 289.5	1985	87 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CRANBERRY 026-01W5								
GILWOOD A	96.1	0.20		19.2		19.2	10.9	8.3
CROSSFIELD 026-01W5								
CARDIUM A TOTAL	25 700.0			1 540.0	1 490.0	3 030.0	2 899.8	130.2
PRIMARY AREA	795.0	0.06		47.7		47.7		
WATER FLOOD AREA	24 900.0	0.06	0.06	1 490.0	1 490.0	2 990.0		
CARDIUM B	391.0	0.10		39.1		39.1	20.7	18.4
CARDIUM C	53.7	0.10		5.4		5.4	1.6	3.8
JUMPING POUND A	119.0	0.14		16.7		16.7	12.1	4.6
SECOND WHITE SPECKS A	278.0	0.15		41.7		41.7	28.1	13.6
SECOND WHITE SPECKS B	253.0	0.15		38.0		38.0	19.6	18.4
VIKING A	311.0	0.15		46.7		46.7	20.7	26.0
VIKING B	1 640.0	0.10		164.0		164.0	30.0	134.0
VIKING C	38.8	0.15		5.8		5.8	3.0	2.8
VIKING D	133.0	0.10		13.3		13.3	0.8	12.5
VIKING E	140.0	0.10		14.0		14.0	1.0	13.0
RUNDLE C	1 000.0	0.20		200.0		200.0	85.4	114.6
RUNDLE E	2 260.0	0.05		113.0		113.0	86.1	26.9
RUNDLE G	1 230.0	0.25		308.0		308.0	176.9	131.1
CROSSFIELD EAST 029-01W5								
CARDIUM B	144.0	0.07		10.1		10.1	4.4	5.7
CARDIUM C	2 920.0	0.12		350.0		350.0	261.7	88.3
CARDIUM D	595.0	0.06		35.7		35.7	27.0	8.7
CARDIUM E	104.0	0.10		10.4		10.4	6.7	3.7
CARDIUM F	57.9	0.15		8.7		8.7	2.4	6.3
ELLERSLIE A	212.0	0.05		10.6		10.6	5.9	4.7
ELKTON A	1 060.0	0.17		180.0		180.0	165.8	14.2
ELKTON B	188.0	<0.01		1.7		1.7		1.7
ELKTON D	2 700.0	0.14		378.0		378.0	342.0	36.0
ELKTON F	634.0	0.15		95.1		95.1	47.0	48.1
CRYSTAL 046-03W5								
BELLY RIVER A	389.0	0.10		38.9		38.9	1.2	37.7
VIKING A TOTAL	16 190.0			1 965.0	3 528.0	5 493.0	1 459.3	4 033.7
PRIMARY AREA	2 100.0	<0.07		96.5		96.5		
WATER FLOOD AREA	14 090.0	0.15	0.25	1 868.0	3 528.0	5 396.0		
VIKING H	1 640.0	0.15		246.0		246.0	75.3	170.7
VIKING I	242.0	0.10		24.2		24.2	0.2	24.0
CYGNET 038-01W5								
VIKING A	385.0	0.15		57.8		57.8	27.0	30.8
VIKING C	176.0	0.15		26.4		26.4	10.9	15.5
VIKING F	140.0	<0.01		0.1		0.1	0.1	
VIKING G	613.0	0.15		92.0		92.0	30.6	61.4
VIKING H	142.0	0.15		21.3		21.3	8.7	12.6
VIKING J	139.0	<0.02		1.6		1.6	1.6	
VIKING K	51.7	0.20		10.3		10.3	6.5	3.8
VIKING M	24.6	0.10		2.5		2.5	0.4	2.1
VIKING N	184.0	0.15		27.6		27.6	6.7	20.9
VIKING O	93.6	0.20		18.7		18.7	4.0	14.7
GLAUCONITIC A	36.3	<0.01		0.3		0.3	0.2	0.1
GLAUCONITIC B	207.0	0.15		31.1		31.1	3.0	28.1
GLAUCONITIC C	154.0	0.15		23.1		23.1	2.1	21.0
ELLERSLIE A	86.4	0.20		17.3		17.3	2.9	14.4
ELLERSLIE B	30.4	<0.01		0.1		0.1	0.1	
ELLERSLIE C	76.4	0.15		11.5		11.5	1.1	10.4
ELLERSLIE E	60.5	0.10		6.1		6.1	0.2	5.9
PEKISKO A	563.0	0.10		56.3		56.3	1.9	54.4
CYN-PEM 051-11W5								
BELLY RIVER A	269.0	0.03		8.1		8.1	3.6	4.5
BELLY RIVER B	184.0	<0.01		1.8		1.8	1.8	
CARDIUM A TOTAL	6 480.0			776.0	1 470.0	2 246.0	2 024.4	221.6
PRIMARY AREA	70.0	<0.09		6.0		6.0		
WATER FLOOD AREA	6 410.0	<0.13	0.23	770.0	1 470.0	2 240.0		
CARDIUM B	736.0	0.12		88.3		88.3	40.4	47.9
CARDIUM C TOTAL	1 450.0			169.0	115.0	284.0	135.0	149.0
PRIMARY AREA	90.0	<0.05		4.0		4.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.00	0.110	0.35	0.70	68	825	62	22 888	2 461.5	1980	82 02
12 910					82	834	66	25 300	2 033.9	1956	81 12 - GPP
259	4.30	0.098	0.10	0.81							
12 651	2.50	0.108	0.10	0.81							
192	2.71	0.110	0.10	0.76	53	834	54	8 270	1 719.4	1961	84 12 - GPP
64	1.30	0.100	0.15	0.76	105	851	54	8 230	1 634.7	1982	84 03
110	1.22	0.160	0.30	0.79	82	834	66	28 270	2 082.7	1961	82 12 - GPP
285	6.64	0.030	0.30	0.70	89	815	49	28 270	2 235.4	1974	87 12 - GPP
64	3.00	0.220	0.20	0.75	85	827	70	27 598	2 171.5	1980	87 12
262	1.90	0.110	0.29	0.80	44	839	64	22 385	2 176.0	1964	86 09 - GPP
320	7.63	0.120	0.30	0.80	161	838	80	14 428	2 251.2	1982	86 06
64	1.60	0.080	0.40	0.79	84	838	80	16 046	2 290.2	1982	87 12
64	4.27	0.103	0.40	0.79	84	838	80	15 734	2 241.0	1983	84 04
64	5.97	0.077	0.44	0.85	48	811	72	15 905	2 270.0	1983	85 03
128	12.98	0.110	0.28	0.76	133	865	81	22 510	2 607.1	1963	86 10
669	4.63	0.120	0.20	0.76	121	860	71	19 510	2 114.1	1967	71 02
202	12.19	0.102	0.30	0.70	131	860	81	22 340	2 601.8	1974	76 06
128	1.68	0.110	0.15	0.75	46	815	60	20 590	1 720.6	1966	83 10
3 091	1.14	0.120	0.14	0.80	69	849	59	20 943	1 765.9	1954	86 12
981	0.91	0.104	0.15	0.75	53	815	63	20 586	1 676.7	1968	86 12 - GPP
64	1.50	0.160	0.15	0.80	80	844	52	14 260	1 650.7	1978	83 12 - GPP
64	1.00	0.130	0.13	0.80	85	850	50	14 150	1 637.5	1984	85 06
64	5.30	0.100	0.30	0.89	35	874	66	15 250	2 103.8	1977	79 01 - GPP
486	6.74	0.060	0.17	0.68	195	855	70	20 890	2 291.5	1968	81 12 - GPP
65	11.86	0.047	0.20	0.65	191	855	71	20 690	2 241.2	1965	68 05 - ABAND 67 09
462	11.00	0.092	0.15	0.68	191	855	79	21 100	2 325.1	1965	87 12 - GPP
128	11.40	0.090	0.29	0.68	154	853	79	20 813	2 328.8	1975	87 12
64	7.30	0.170	0.45	0.89	39	845	44	7 246	1 131.1	1986	87 01
4 898					82	825	76	10 316	1 752.0	1978	86 11
2 103	3.91	0.090	0.65	0.81							
2 795	9.56	0.105	0.38	0.81							
804	3.33	0.120	0.37	0.81	74	807	60	10 725	1 737.4	1983	84 12
64	11.52	0.090	0.55	0.81	74	835	60	9 396	1 743.9	1985	85 06 - SUSP 86 12
607	1.94	0.065	0.37	0.80	130	813	65	13 110	1 641.8	1981	86 06
259	1.89	0.090	0.43	0.70	130	820	57	13 210	1 715.1	1980	85 04 - GPP
64	3.50	0.120	0.35	0.80	78	821	50	12 929	1 688.3	1983	83 12 - SUSP 85 04
1 088	1.60	0.080	0.45	0.80	100	820	65	12 850	1 634.1	1980	86 09
256	1.60	0.080	0.46	0.80	100	818	65	12 716	1 634.2	1980	86 01
64	4.40	0.100	0.35	0.76	130	798	44	7 753	1 723.0	1983	84 04 - ABAND 86 10
192	0.68	0.070	0.31	0.80	83	822	63	11 730	1 687.4	1984	85 11
64	1.00	0.080	0.40	0.80	99	803	44	12 850	1 670.2	1980	86 06 - SUSP 86 11
256	2.14	0.060	0.30	0.80	74	821	63	11 441	1 632.6	1985	86 12
90	2.50	0.080	0.35	0.80	99	802	44	12 334	1 719.8	1986	87 12
32	1.50	0.140	0.35	0.83	68	923	62	12 760	1 832.0	1980	80 11 - ABAND 85 01
64	3.70	0.140	0.22	0.80	90	868	65	15 965	1 834.3	1985	85 12
64	2.80	0.130	0.15	0.78	91	877	58	16 172	1 786.9	1985	86 02
120	1.00	0.120	0.25	0.80	70	818	61	15 319	1 947.0	1985	87 12
64	1.10	0.090	0.40	0.80	80	865	58	14 777	1 813.2	1985	86 06 - SUSP 86 07
64	1.20	0.150	0.15	0.78	91	861	69	15 175	1 976.2	1985	86 08
64	1.50	0.105	0.25	0.80	71	845	70	13 005	1 891.8	1985	87 10
128	9.77	0.084	0.33	0.80	95	913	54	16 497	1 837.1	1986	87 10
64	5.30	0.167	0.40	0.79	87	810	48	8 191	1 206.0	1982	86 12
64	3.20	0.180	0.44	0.89	66	822	37	7 956	1 183.3	1982	83 06 - SUSP 84 12
1 447					52	844	56	19 130	1 643.6	1962	86 11
128	0.73	0.097	0.11	0.87							
1 319	6.47	0.097	0.11	0.87							
192	4.66	0.105	0.10	0.87	52	844	57	19 200	1 672.5	1962	85 08 - GPP
295					52	844	57	19 170	1 652.8	1963	87 03
39	2.72	0.107	0.10	0.88							

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CYN-PEM 051-11W5 (CONTINUED)								
WATER FLOOD AREA	1 360.0	<0.12	0.09	165.0	115.0	280.0		
CARDIUM D WATER FLOOD	6 200.0	0.12	0.23	744.0	1 426.0	2 170.0	430.0	1 740.0
CARDIUM F	54.1	<0.01		0.2		0.2	0.2	
CARDIUM J	239.0	0.05		12.0		12.0	2.1	9.9
CARDIUM L WATER FLOOD	1 000.0	0.12	0.23	120.0	230.0	350.0	108.6	241.4
CARDIUM M	652.0	0.12		78.2		78.2	15.8	62.4
CARDIUM N	185.0	0.10		18.5		18.5	2.7	15.8
CARDIUM O	1 520.0	0.10		152.0		152.0	56.3	95.7
CARDIUM P	1 580.0	0.12		190.0		190.0	21.9	168.1
CARDIUM Q	54.2	0.10		5.4		5.4	1.5	3.9
CARDIUM R	49.2	0.12		5.9		5.9	1.1	4.8
CARDIUM S	492.0	0.05		24.6		24.6	3.5	21.1
CARDIUM T	339.0	0.02		6.8		6.8	2.8	4.0
VIKING A	310.0	0.15		46.5		46.5	2.5	44.0
ELLERSLIE C	206.0	0.15		30.9		30.9	16.0	14.9
ROCK CREEK F	160.0	0.05		8.0		8.0		8.0
ROCK CREEK I	63.4	0.10		6.3		6.3	0.3	6.0
ROCK CREEK J	21.1	0.10		2.1		2.1		2.1
ROCK CREEK K	247.0	<0.01		0.1		0.1	0.1	
ROCK CREEK L	205.0	0.05		10.3		10.3		10.3
ROCK CREEK C & G	313.0	0.03		9.4		9.4	2.8	6.6
NISKU A WATER FLOOD	475.0	0.20	0.25	95.0	119.0	214.0	96.8	117.2
DAVEY 034-27W4								
BELLY RIVER B	2 500.0	0.05		125.0		125.0	59.7	65.3
BELLY RIVER F	857.0	0.05		42.9		42.9	15.9	27.0
BELLY RIVER G	316.0	0.03		9.5		9.5	3.4	6.1
PEKISKO A	3 110.0	0.06		187.0		187.0	135.8	51.2
PEKISKO C	183.0	0.05		9.2		9.2	3.2	6.0
D-2 A	112.0	<0.01		0.3		0.3	0.3	
D-2 B	278.0	<0.01		2.1		2.1	2.1	
DAWSON 080-17W5								
BEAVERHILL LAKE A	477.0	0.20		95.4		95.4	79.9	15.5
BEAVERHILL LAKE B	368.0	0.20		73.6		73.6	23.0	50.6
SLAVE POINT A	72.9	<0.04		2.5		2.5	2.5	
SLAVE POINT B	44.1	0.20		8.8		8.8	7.2	1.6
SLAVE POINT C	84.1	<0.07		5.5		5.5	5.5	
SLAVE POINT D	294.0	0.15		44.1		44.1	0.6	43.5
SLAVE POINT E	17.6	0.10		1.8		1.8	1.2	0.6
SLAVE POINT F	40.0	0.20		8.0		8.0	6.7	1.3
SLAVE POINT H	607.0	0.25		152.0		152.0	7.6	144.4
SLAVE POINT I	189.0	0.15		28.4		28.4	1.9	26.5
SLAVE POINT J	471.0	0.30		141.0		141.0	11.4	129.6
GRANITE WASH A	115.0	<0.02		1.5		1.5	1.5	
GRANITE WASH B	337.0	0.10		33.7		33.7	6.5	27.2
GRANITE WASH C	130.0	0.20		26.0		26.0	2.1	23.9
DEL BONITA 001-21W4								
RUNDLE	397.0	0.29		115.0		115.0	107.8	7.2
DELIA 033-18W4								
ELLERSLIE A	73.4	0.10		7.3		7.3	1.6	5.7
BANFF A	85.4	0.10		8.5		8.5	0.6	7.9
DIMSDALE 071-07W6								
HALFWAY A	183.0	0.05		9.2		9.2	3.2	6.0
HALFWAY B	82.1	0.10		8.2		8.2	5.3	2.9
DOE 081-12W6								
DOIG A	102.0	<0.02		1.8		1.8	1.8	
DONALDA 043-19W4								
UPPER MANNVILLE F	172.0	0.10		17.2		17.2	6.3	10.9
DRUMHELLER 029-19W4								
MANNVILLE A	291.0	0.05		14.6		14.6	9.9	4.7
MANNVILLE F	450.0	0.01		4.5		4.5	4.4	0.1
MANNVILLE I	2 300.0	0.05		115.0		115.0	12.1	102.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
256	6.27	0.107	0.10	0.88							
1 370	6.36	0.100	0.20	0.89	41	868	54	12 879	1 559.2	1980	87 09
64	1.20	0.100	0.20	0.88	52	878	56	10 794	1 544.4	1982	82 12 - SUSP 85 11
64	7.00	0.100	0.40	0.89	41	871	54	7 528	1 512.8	1982	85 12 - GPP
171	6.51	0.120	0.15	0.88	61	856	56	19 037	1 642.7	1983	85 07
192	8.23	0.060	0.20	0.86	53	845	36	10 234	1 792.1	1983	86 07
64	2.88	0.134	0.15	0.88	44	844	58	18 959	1 750.7	1984	85 03
256	8.84	0.100	0.21	0.85	45	844	52	10 011	1 567.0	1982	85 09
320	7.36	0.100	0.22	0.86	55	825	58	19 359	1 814.6	1982	85 12
64	1.72	0.070	0.20	0.88	44	860	58	10 234	1 770.8	1985	86 06
64	1.30	0.080	0.15	0.87	44	860	58	11 211	1 605.2	1985	86 10
128	4.78	0.110	0.15	0.86	61	856	56	17 363	1 792.0	1984	86 10
64	6.00	0.130	0.20	0.85	54	834	64	10 237	1 797.8	1980	87 12 - GPP
128	3.95	0.140	0.46	0.81	79	845	61	13 393	1 916.2	1986	86 10
100	2.80	0.120	0.15	0.72	384	787	91	28 955	2 380.5	1982	87 12
64	3.50	0.120	0.30	0.85	120	828	80	19 188	2 313.1	1976	87 03
64	2.40	0.082	0.32	0.74	120	828	80	19 744	2 207.5	1983	84 04 - SUSP 86 04
64	0.80	0.082	0.32	0.74	120	828	80	19 662	2 197.9	1983	84 04
64	6.38	0.089	0.30	0.85	120	853	80	16 550	2 174.2	1985	86 06 - SUSP 86 03
64	4.90	0.110	0.30	0.85	120	828	78	20 513	2 328.4	1976	87 03
64	10.25	0.104	0.38	0.74	120	829	78	15 899	2 177.4	1981	85 12 - GPP
64	13.90	0.090	0.10	0.65	151	806	90	26 600	2 658.7	1978	80 12
384	6.30	0.185	0.40	0.93	17	840	44	4 130	1 211.7	1978	83 05
192	5.43	0.170	0.48	0.93	17	841	44	4 130	1 187.5	1978	87 07
64	4.94	0.185	0.40	0.90	26	854	43	3 961	1 206.5	1980	85 12
768	11.20	0.066	0.27	0.75	98	855	66	12 580	1 988.4	1958	81 12
64	13.60	0.040	0.30	0.75	85	854	59	11 665	1 990.7	1981	84 12 - GPP
65	9.75	0.034	0.20	0.65	177	825	66	21 710	2 355.5	1974	78 07 - ABAND 77 12
65	16.46	0.049	0.18	0.65	220	825	66	21 580	2 354.9	1974	80 12 - ABAND 79 11
127	6.38	0.090	0.15	0.77	91		69	20 059	2 073.0	1953	86 02
64	5.49	0.160	0.15	0.77	99	834	64	19 622	1 287.5	1973	87 11
64	2.80	0.066	0.23	0.80	72	839	67	19 515	2 123.5	1984	86 02 - SUSP 86 03
64	2.20	0.050	0.28	0.87	42	840	59	20 253	1 994.1	1982	86 02
64	2.30	0.105	0.32	0.80	70	840	71	20 406	2 122.7	1982	86 02 - SUSP 86 03
64	7.68	0.095	0.30	0.90	29	840	55	21 153	2 120.5	1983	86 02 - SUSP 86 05
64	0.88	0.060	0.40	0.87	42	837	53	18 438	2 073.3	1983	86 02 - SUSP 86 06
96	2.00	0.060	0.60	0.87	92	838	69	20 096	2 074.0	1980	86 02 - SUSP 86 06
128	8.66	0.082	0.25	0.89	44	835	54	19 247	1 931.8	1986	87 05
64	8.40	0.057	0.29	0.87	44	841	49	19 913	2 028.4	1986	86 11
128	8.67	0.072	0.33	0.88	42	829	53	19 631	1 969.8	1985	87 11
64	3.00	0.120	0.45	0.91	28	831	50	16 338	2 094.0	1983	86 02 - SUSP 84 02
64	4.50	0.200	0.35	0.90	29	834	60	20 792	2 098.5	1983	87 12
64	3.10	0.100	0.25	0.87	38	840	72	21 264	2 097.4	1981	86 02 - SUSP 86 06
228	7.92	0.050	0.45	0.80	62	839	44	8 270	1 568.8	1936	87 12 - GPP
64	1.50	0.180	0.50	0.85	25	866	39	9 304	1 327.8	1982	82 11 - SUSP 86 12
64	5.70	0.050	0.40	0.78	58	880	40	8 799	1 288.8	1986	86 08
64	6.80	0.084	0.35	0.77	108	820	78	21 897	2 148.8	1980	83 12
64	4.50	0.073	0.45	0.71	120	821	65	21 470	2 180.6	1980	82 05
64	2.50	0.120	0.30	0.24	92	832	72	14 858	1 577.5	1986	86 09 - SUSP 86 09
128	1.02	0.210	0.32	0.92		856	32	8 011	1 180.6	1986	87 08
85	4.07	0.150	0.30	0.80	59	865	49	9 430	1 355.6	1950	83 06 - GPP
71	3.96	0.252	0.28	0.88	44	855	47	10 340	1 303.5	1969	85 07 - SUSP 86 05
512	8.36	0.140	0.52	0.80	44	855	54	9 340	1 299.5	1966	86 10 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
DRUMHELLER 029-19W4 (CONTINUED)								
MANNVILLE K	228.0	<0.01		0.2		0.2	0.2	
MANNVILLE L	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE T	157.0	<0.06		7.8		7.8	2.7	5.1
MANNVILLE Y	265.0	<0.01		0.1		0.1		0.1
MANNVILLE Z	177.0	0.10		17.7		17.7	4.5	13.2
MANNVILLE AA	571.0	<0.01		0.2		0.2	0.2	
MANNVILLE BB	267.0	<0.01		0.2		0.2	0.2	
MANNVILLE DD	1 250.0	0.03		37.5		37.5	13.5	24.0
MANNVILLE FF	305.0	<0.01		1.2		1.2	1.2	
UPPER MANNVILLE A	524.0	0.15		78.6		78.6	58.9	19.7
UPPER MANNVILLE C	253.0	0.10		25.3		25.3	6.1	19.2
UPPER MANNVILLE D	36.9	0.10		3.7		3.7	0.7	3.0
LOWER MANNVILLE A	157.0	0.05		7.9		7.9	2.0	5.9
LOWER MANNVILLE C	532.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE G	367.0	0.10		36.7		36.7	0.1	36.6
LOWER MANNVILLE H	265.0	0.10		26.5		26.5	0.8	25.7
LOWER MANNVILLE I	182.0	0.10		18.2		18.2	1.8	16.4
LOWER MANNVILLE J	155.0	0.10		15.5		15.5		15.5
BANFF B	71.4	<0.01		0.1		0.1	0.1	
D-2 A	2 510.0	0.65		1 630.0		1 630.0	1 450.0	180.0
D-2 B	5 750.0	0.50		2 880.0		2 880.0	1 910.0	970.0
D-2 C	172.0	0.15		25.8		25.8	8.1	17.7
DUHAMEL 045-21W4								
WABAMUN A	48.0	<0.08		3.5		3.5	3.5	
D-2 A	2 000.0	0.51		1 020.0		1 020.0	992.8	27.2
D-3 A	191.0	<0.10		18.3		18.3	18.3	
D-3 B WATER FLOOD	2 240.0	0.50	0.15	1 120.0	336.0	1 460.0	1 301.7	158.3
EAGLESHAM 077-25W5								
DEBOLT D	149.0	<0.08		11.3		11.3	11.3	
D-1 A	217.0	0.30		65.1		65.1	38.2	26.9
D-1 B	504.0	0.10		50.4		50.4	20.8	29.6
D-3 A	734.0	0.40		294.0		294.0	274.1	19.9
EDSON 052-17W5								
CARDIUM A	84.7	0.15		12.7		12.7	9.2	3.5
CARDIUM B TOTAL	3 530.0			358.0	166.0	524.0	423.7	100.3
PRIMARY AREA	221.0	0.12		26.5		26.5		
WATER FLOOD AREA	3 310.0	0.10	0.05	331.0	166.0	497.0		
CARDIUM C	2 640.0	0.05		132.0		132.0	90.0	42.0
CARDIUM E	236.0	0.08		18.9		18.9	5.0	13.9
CARDIUM J	500.0	0.10		50.0		50.0	32.7	17.3
CARDIUM T	150.0	0.10		15.0		15.0	7.1	7.9
CARDIUM U	80.9	0.12		9.7		9.7	7.4	2.3
CARDIUM W	32.4	0.10		3.2		3.2		3.2
CARDIUM EE	55.9	0.10		5.6		5.6	2.9	2.7
CARDIUM II	99.1	0.10		9.9		9.9	4.0	5.9
CARDIUM JJ	250.0	0.10		25.0		25.0	11.4	13.6
CARDIUM KK	105.0	0.17		17.9		17.9	11.1	6.8
CARDIUM OO	38.4	0.15		5.8		5.8	3.0	2.8
CARDIUM SS	109.0	0.10		10.9		10.9	1.1	9.8
CARDIUM TT	45.1	0.20		9.0		9.0	2.2	6.8
CARDIUM UU	26.6	0.10		2.7		2.7	2.3	0.4
CARDIUM VV	66.8	0.12		8.0		8.0	4.1	3.9
CARDIUM XX	62.1	0.10		6.2		6.2	1.0	5.2
CARDIUM CC & WW	237.0	0.10		23.7		23.7	12.0	11.7
CARDIUM RR & ZZ	1 440.0	0.12		173.0		173.0	90.6	82.4
CARDIUM I,K,P & AAA	4 670.0	0.05		231.3		231.3	192.3	39.0
SECOND WHITE SPECKS A	349.0	0.10		34.9		34.9	12.2	22.7
VIKING C	224.0	<0.02		2.9		2.9	2.9	
BLUESKY A	3 800.0	0.05		190.0		190.0	77.2	112.8
GETHING C	130.0	0.10		13.0		13.0	6.8	6.2
CADOMIN A	108.0	<0.01		0.5		0.5	0.5	
ELLERSLIE 051-24W4								
BLAIRMORE A	79.6	<0.11		8.1		8.1	8.1	
BLAIRMORE B	186.0	<0.32		59.2		59.2	59.2	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	4.60	0.140	0.35	0.85	62	849	54	10 080	1 305.2	1968	79 11 - ABAND 82 05
65	4.27	0.200	0.40	0.80	71	855	56	9 430	1 310.9	1969	70 08 - SUSP 70 02
65	1.83	0.200	0.23	0.86				10 260	1 364.6	1975	77 04
64	7.00	0.100	0.35	0.91	28	887	54	6 300	1 250.3	1978	79 02 - ABAND 79 01
128	1.30	0.220	0.43	0.85	60	858	46	10 282	1 272.1	1978	84 06 - GPP
64	15.90	0.120	0.45	0.85	54	885	46	7 120	1 321.4	1979	83 12 - SUSP 83 01
64	6.30	0.130	0.40	0.85	62	871	47	9 804	1 324.3	1980	83 12 - SUSP 81 06
128	15.90	0.140	0.46	0.81	78	825	47	9 468	1 162.9	1980	84 04 - GPP
64	4.50	0.210	0.37	0.80	78	877	41	9 262	1 324.3	1980	82 07 - SUSP 83 09
128	3.71	0.206	0.33	0.80	62	855	46	9 358	1 269.7	1969	83 06
64	4.70	0.210	0.50	0.80	79	869	50	10 500	1 318.2	1982	82 09
64	1.00	0.160	0.55	0.80	87	869	33	9 900	1 288.2	1979	83 05
64	3.56	0.140	0.44	0.88	51	850	40	9 340	1 270.5	1981	83 12 - GPP
64	11.80	0.160	0.50	0.88	43	844	40	9 180	1 139.9	1982	83 03 - SUSP 83 03
64	8.00	0.110	0.26	0.88	43	887	43	9 760	1 306.0	1984	86 03 - SUSP 86 03
64	8.40	0.140	0.60	0.88	43	879	43	9 435	1 266.2	1985	86 03
64	5.30	0.140	0.55	0.85	58	855	44	9 319	1 256.0	1984	85 04 - GPP
64	6.41	0.110	0.57	0.80	80	879	44	8 372	1 313.0	1982	87 11
64	2.80	0.070	0.33	0.85	50	876	50	8 903	1 321.4	1979	83 12 - ABAND 80 08
605	7.63	0.078	0.17	0.84	66	860	55	13 170	1 655.1	1951	75 04
1 226	9.29	0.076	0.18	0.81	70	855	54	13 200	1 613.7	1961	84 12
64	5.00	0.080	0.20	0.84	66	858	55	12 934	1 625.5	1981	83 12 - GPP
65	1.22	0.100	0.30	0.87	44	844	71	8 960	1 374.6	1956	67 02 - SUSP 69 02
507	10.36	0.058	0.20	0.82	68	844	54	10 340	1 375.3	1951	81 12 - GPP
272	4.48	0.028	0.30	0.80	79	844	57	12 890	1 472.2	1956	64 04 - ABAND 69 12
212	20.52	0.073	0.14	0.82	79	844	56	12 930	1 461.2	1950	85 07
64	8.31	0.050	0.20	0.70	149	829	51	10 450	1 497.8	1968	83 12 - SUSP 81 02
64	23.00	0.040	0.45	0.67	167	826	64	21 977	2 047.3	1980	85 05
64	19.60	0.080	0.25	0.67	163	835	64	21 777	2 053.1	1981	83 10
191	10.33	0.062	0.13	0.69	154	820	74	25 060	2 307.0	1959	78 12 - GPP
65	1.52	0.130	0.13	0.76	104	825	61	21 720	1 785.8	1963	86 11 - GPP
2 522					104	825	61	22 410	1 843.7	1963	78 12 - GPP
253	1.37	0.101	0.17	0.76							
2 269	2.29	0.101	0.17	0.76							
2 495	2.40	0.090	0.21	0.62	230	815	64	23 250	1 984.1	1972	83 07 - GPP
192	1.79	0.110	0.18	0.76	103	825	60	19 974	1 922.0	1974	84 09
516	1.50	0.100	0.15	0.76	180	802	55	20 800	1 895.6	1978	81 12
97	2.00	0.150	0.15	0.61	200	800	53	20 900	1 909.7	1981	82 12
64	2.00	0.120	0.15	0.62	185	800	63	19 361	1 899.5	1981	86 12
64	0.98	0.080	0.15	0.76	105	802	62	20 800	1 896.3	1981	82 07
64	2.40	0.069	0.15	0.62	190	813	69	21 760	2 002.1	1982	82 11
64	2.70	0.090	0.15	0.75	104	825	63	19 382	1 905.9	1981	83 12
221	2.00	0.095	0.15	0.70	104	800	64	22 739	1 940.2	1980	83 12
64	1.90	0.150	0.07	0.62	195	800	65	16 297	1 900.2	1982	87 12
64	1.40	0.080	0.15	0.63	189	819	64	19 229	1 868.0	1982	84 12
64	3.00	0.110	0.18	0.63	189	819	64	19 900	1 918.3	1983	83 10
64	0.85	0.150	0.15	0.65	186	824	65	21 374	1 917.3	1983	87 12
64	0.79	0.100	0.15	0.62	186	824	65	21 050	1 969.5	1981	84 01
88	1.20	0.120	0.15	0.62	189	815	64	17 670	1 916.4	1963	87 12
64	1.30	0.130	0.18	0.70	153	821	64	18 370	1 865.2	1984	85 01
512	0.88	0.100	0.26	0.71	122	809	63	21 587	1 965.6	1974	84 10
2 083	1.41	0.100	0.27	0.67	189	817	64	17 626	1 870.7	1977	86 07
3 512	3.06	0.100	0.30	0.62	220	813	83	23 264	1 957.2	1972	87 05 - GPP
64	4.60	0.220	0.24	0.71	120	800	65	25 286	2 101.3	1981	83 02
64	4.00	0.160	0.30	0.78	80	820	88	29 610	2 690.9	1976	81 12 - SUSP 81 01
448	13.94	0.100	0.24	0.80	120	802	76	22 130	2 567.0	1979	86 12
64	5.30	0.100	0.25	0.51	308	804	82	22 870	2 539.3	1978	79 03
64	2.00	0.150	0.20	0.70	140	800	97	22 070	1 995.6	1981	82 04 - SUSP 84 02
83	0.91	0.200	0.30	0.75	46	876	47	8 820	1 188.4	1950	71 05 - ABAND 70 07
135	1.43	0.173	0.36	0.87	46	876	47	8 860	1 184.8	1951	74 04 - ABAND 74 03

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ELMWORTH 070-11W6								
DOE CREEK A	160.0	0.10		16.0		16.0	0.5	15.5
DOE CREEK B	1 450.0	0.10		145.0		145.0	21.3	123.7
DOE CREEK C	55.5	0.10		5.6		5.6	0.6	5.0
CADOTTE H	253.0	0.10		25.3		25.3	0.6	24.7
CHARLIE LAKE A	2 780.0	0.15		417.0		417.0	144.6	272.4
CHARLIE LAKE B	114.0	<0.02		1.3		1.3	1.3	
ELNORA 035-23W4								
LOWER MANNVILLE B	71.3	0.10		7.1		7.1	1.0	6.1
ENCHANT 012-16W4								
UPPER MANNVILLE K	856.0	0.01		8.6		8.6	2.7	5.9
ARCS A	300.0	0.15		45.0		45.0	9.9	35.1
ARCS B	289.0	0.15		43.4		43.4	4.1	39.3
ARCS C	355.0	0.15		53.3		53.3	0.6	52.7
ARCS D	337.0	0.15		50.6		50.6	4.6	46.0
ENTICE 027-24W4								
LOWER MANNVILLE A	331.0	0.02		6.6		6.6	3.9	2.7
PEKISKO A	260.0	0.03		7.8		7.8	3.8	4.0
ERSKINE 039-20W4								
BLAIRMORE F	192.0	<0.01		1.7		1.7	1.7	
BLAIRMORE G	193.0	0.10		19.3		19.3	1.4	17.9
BLAIRMORE J	465.0	0.10		46.5		46.5	17.4	29.1
BLAIRMORE P	150.0	0.10		15.0		15.0	0.4	14.6
BLAIRMORE W	206.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC E	178.0	<0.01		0.1		0.1		0.1
GLAUCONITIC F	201.0	0.10		20.1		20.1	2.5	17.6
GLAUCONITIC I	149.0	<0.01		0.3		0.3	0.3	
D-2	456.0	0.10		45.6		45.6	39.8	5.8
D-2 B	59.3	<0.01		0.4		0.4	0.4	
D-2 C	41.6	0.10		4.2		4.2	0.8	3.4
D-2 E	116.0	<0.01		0.1		0.1		0.1
D-3	6 390.0	0.60		3 830.0		3 830.0	3 588.6	241.4
ESTHER 032-02W4								
VIKING A	440.0	0.10		44.0		44.0	0.9	43.1
VIKING B & C	840.0	0.10		84.0		84.0	17.3	66.7
ESTUARY 023-22W4								
BASAL QUARTZ A	200.0	<0.01		0.1		0.1		0.1
ETHEL 067-08W5								
BEAVERHILL LAKE A	1 290.0	0.01		12.9		12.9	8.9	4.0
EVI 087-13W5								
SLAVE POINT A	880.0	0.30		264.0		264.0	87.3	176.7
SLAVE POINT B	1 210.0	0.35		424.0		424.0	92.2	331.8
SLAVE POINT C	280.0	<0.04		10.6		10.6	10.6	
SLAVE POINT D	216.0	0.10		21.6		21.6	12.5	9.1
SLAVE POINT E	66.4	0.10		6.6		6.6	1.4	5.2
SLAVE POINT F	118.0	<0.03		2.5		2.5	2.5	
SLAVE POINT H	1 050.0	0.15		158.0		158.0	44.4	113.6
SLAVE POINT I	153.0	0.20		30.6		30.6	7.0	23.6
SLAVE POINT K	1 410.0	0.05		70.5		70.5	21.0	49.5
SLAVE POINT L	185.0	0.16		29.6		29.6	11.4	18.2
SLAVE POINT M	62.9	0.30		18.9		18.9	3.0	15.9
SLAVE POINT N	849.0	0.20		170.0		170.0	12.0	158.0
SLAVE POINT O	145.0	0.15		21.8		21.8	0.3	21.5
SLAVE POINT P	216.0	0.10		21.6		21.6	0.2	21.4
SLAVE POINT Q	188.0	0.30		56.4		56.4	2.2	54.2
SLAVE POINT R	289.0	0.30		86.7		86.7	2.0	84.7
SLAVE POINT S	369.0	0.20		73.8		73.8	11.4	62.4
GILWOOD A	952.0	0.20		190.0		190.0	108.3	81.7
GILWOOD B	234.0	0.20		46.8		46.8	22.9	23.9
GILWOOD D	327.0	0.20		65.4		65.4	29.4	36.0
GILWOOD G	53.2	0.20		10.6		10.6	8.8	1.8
GILWOOD H	214.0	0.20		42.8		42.8	6.9	35.9
GILWOOD I	669.0	0.25		167.0		167.0	75.9	91.1
GILWOOD J	238.0	0.25		59.5		59.5	16.6	42.9
GILWOOD K	292.0	0.10		29.2		29.2	7.8	21.4

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.30	0.190	0.35	0.88	50	840	39	9 711	1 167.7	1982	85 12
448	2.67	0.194	0.29	0.88	80	833	40	10 015	1 127.8	1986	87 05
64	1.10	0.160	0.44	0.88	55	835	36	9 800	1 139.4	1985	87 05
64	9.00	0.100	0.43	0.77	100	831	63	14 562	1 715.2	1986	86 08 - SUSP 86 08
768	5.90	0.100	0.16	0.73	114	820	85	3 100	2 396.7	1979	84 11
64	3.40	0.110	0.32	0.70	83	803	18	21 751	2 255.8	1979	83 12 - SUSP 81 03
64	1.50	0.115	0.24	0.85	52	892	64	9 752	1 643.3	1986	86 11
64	11.30	0.190	0.30	0.89	44	891	33	11 800	1 044.7	1982	82 11 - SUSP 86 12
84	3.21	0.160	0.22	0.89	50	887	35	12 474	1 326.0	1985	87 03
64	4.53	0.130	0.13	0.88	47	854	36	11 060	1 344.8	1986	87 11
64	5.00	0.180	0.30	0.88	47	854	36	12 638	1 331.5	1986	87 03
64	8.30	0.080	0.10	0.88	47	854	36	13 500	1 347.2	1986	87 11
64	3.00	0.260	0.21	0.84	67	884	44	10 850	1 575.8	1975	82 12 - GPP
64	10.00	0.090	0.45	0.82	52	887	53	11 703	1 689.2	1980	83 12 - GPP
64	3.10	0.190	0.42	0.88	48	899	50	9 900	1 385.1	1978	79 05 - ABAND 83 09
64	2.20	0.200	0.22	0.88	121	875	52	10 119	1 334.1	1980	85 05
192	2.29	0.190	0.36	0.87	47	880	46	9 991	1 340.2	1982	84 06
64	2.80	0.190	0.50	0.88	48	875	37	8 075	1 379.8	1984	85 03 - SUSP 86 08
64	3.30	0.190	0.39	0.84	64	900	54	9 883	1 348.1	1985	87 12 - SUSP 86 02
64	2.40	0.200	0.30	0.83	68	877	44	9 797	1 329.9	1973	83 04 - ABAND 85 04
64	2.70	0.200	0.30	0.83	75	870	50	9 475	1 318.0	1981	81 07
64	2.40	0.180	0.35	0.83	68	877	44	9 360	1 334.7	1973	84 05 - SUSP 84 05
58	17.37	0.067	0.15	0.80	76	887	60	11 960	1 577.6	1955	73 12 - GPP
16	9.50	0.065	0.25	0.80	77		61	10 418	1 573.3	1980	84 12 - SUSP 84 03
32	3.19	0.060	0.15	0.80	54	887	60	11 304	1 576.2	1954	84 01 - GPP
64	2.99	0.100	0.24	0.80	84	887	48	11 035	1 582.8	1984	85 02 - SUSP 84 10
1 720	8.60	0.062	0.15	0.82	84	887	61	15 270	1 642.0	1953	82 12 - GPP
256	1.67	0.220	0.48	0.90	38	871	29	6 696	710.0	1969	86 04
444	1.68	0.220	0.43	0.90	44	849	27	6 574	713.3	1974	86 03 - GPP
64	4.50	0.150	0.45	0.84	68	877	46	10 570	1 517.3	1980	83 12 - SUSP 81 11
519	7.19	0.057	0.17	0.73	99	815	67	21 550	2 292.7	1964	76 04 - GPP
384	5.64	0.062	0.28	0.91	171	833	38	16 364	1 573.8	1979	83 10
705	3.86	0.065	0.25	0.91	30	833	38	16 257	1 555.3	1979	82 10
64	5.00	0.120	0.20	0.91	33	833	38	15 810	1 576.5	1981	85 12 - ABAND 87 03
64	6.50	0.090	0.27	0.79	94	861	49	15 650	1 584.3	1982	86 12
64	3.00	0.060	0.27	0.79	94	833	49	15 649	1 528.3	1982	85 12 - GPP
64	4.00	0.080	0.27	0.79	94	833	49	15 926	1 543.0	1982	86 12 - SUSP 84 06
192	9.70	0.080	0.19	0.87	40	842	36	16 422	1 553.3	1983	87 12
64	6.00	0.060	0.27	0.91	32	833	38	16 793	1 545.0	1982	82 10 - SUSP 86 04
448	8.58	0.063	0.36	0.91	34	828	47	4 650	1 507.4	1980	87 12
64	13.60	0.039	0.40	0.91	42	827	66	15 558	1 507.3	1981	87 12
64	5.40	0.040	0.50	0.91	33	835	38	15 404	1 508.0	1983	84 01
192	10.68	0.078	0.41	0.90	33	794	40	14 997	1 483.1	1983	86 05
64	7.50	0.056	0.40	0.90	33	832	40	15 117	1 472.8	1984	86 02 - SUSP 86 03
64	6.80	0.080	0.31	0.90	33	840	40	3 820	1 471.2	1986	87 02
64	3.80	0.100	0.15	0.91	32	838	37	16 022	1 545.9	1984	84 01
64	6.00	0.120	0.31	0.91	35	841	37	16 331	1 553.0	1983	84 01
64	8.50	0.100	0.23	0.88	44	840	39	16 026	1 542.8	1984	84 03
377	2.32	0.200	0.31	0.79	57	820	41	16 745	1 587.0	1982	82 10
64	4.20	0.150	0.30	0.83	57	820	41	16 291	1 601.0	1982	82 06
192	2.25	0.140	0.35	0.83	66	833	41	16 333	1 645.6	1981	82 10
64	2.17	0.087	0.50	0.88	44	835	44	16 388	1 584.6	1982	84 05
64	2.10	0.240	0.20	0.83	66	833	36	16 754	1 593.8	1981	82 08
212	3.08	0.180	0.28	0.79	14	833	43	16 582	1 585.3	1979	82 10
64	3.00	0.170	0.17	0.88	62	835	43	16 317	1 575.7	1981	87 05
64	3.50	0.215	0.27	0.83	62	835	43	16 333	1 568.0	1981	84 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
EVI 087-13W5 (CONTINUED)								
GILWOOD L	127.0	0.20		25.4		25.4	14.6	10.8
GILWOOD M	309.0	0.20		61.8		61.8	17.1	44.7
GILWOOD O	351.0	0.20		70.2		70.2	48.9	21.3
GILWOOD P	210.0	0.20		42.0		42.0	7.9	34.1
GILWOOD Q	86.7	0.20		17.3		17.3	7.4	9.9
GILWOOD R	45.4	0.20		9.1		9.1	1.9	7.2
GILWOOD S	13.0	0.20		2.6		2.6	1.9	0.7
GILWOOD T	60.3	<0.02		1.1		1.1	1.1	
KEG RIVER A & GRANITE WASH N	3 910.0	0.25		978.0		978.0	178.6	799.4
KEG RIVER B & GRANITE WASH P	5 308.0	0.25		1 327.0		1 327.0	159.8	1 167.2
GRANITE WASH G	50.0	0.20		10.0		10.0	9.8	0.2
GRANITE WASH H	180.0	0.20		36.0		36.0	18.4	17.6
GRANITE WASH I	50.0	0.20		10.0		10.0	8.4	1.6
GRANITE WASH K	50.0	0.20		10.0		10.0	5.9	4.1
GRANITE WASH L	329.0	0.20		65.8		65.8	18.0	47.8
GRANITE WASH M	35.0	0.20		7.0		7.0	4.8	2.2
GRANITE WASH Q	574.0	0.25		144.0		144.0	18.0	126.0
EWING LAKE 037-21W4								
D-2 C	448.0	0.35		157.0		157.0	143.9	13.1
D-2 D	1 500.0	0.30		450.0		450.0	364.9	85.1
D-2 E	121.0	0.30		36.3		36.3	5.4	30.9
D-2 F	246.0	0.10		24.6		24.6	0.8	23.8
D-3 A	516.0	0.55		284.0		284.0	273.5	10.5
D-3 B	252.0	0.20		50.4		50.4	21.1	29.3
EXCELSIOR 056-24W4								
MANNVILLE A	1 800.0	<0.01		0.7		0.7	0.7	
WABAMUN A	273.0	0.15		41.0		41.0	4.3	36.7
D-2	6 800.0	0.65		4 420.0	ERSO	4 420.0	4 237.3	182.7
FAIRYDELL-BON ACCORD 057-24W4								
UPPER VIKING B	234.0	0.10		23.4		23.4	20.0	3.4
MIDDLE VIKING C	36.9	<0.10		3.4		3.4	3.4	
BASAL MANNVILLE A	287.0	0.05		14.4		14.4	1.0	13.4
BASAL MANNVILLE C	1 340.0	0.08		107.0		107.0	87.2	19.8
BASAL MANNVILLE H	350.0	<0.01		0.5		0.5	0.5	
D-2 A	1 030.0	<0.13		124.6		124.6	124.6	
D-2 B	671.0	0.45		302.0		302.0	292.2	9.8
D-3 A	2 770.0	0.72		2 000.0		2 000.0	1 819.8	180.2
FARRELL 034-16W4								
LOWER MANNVILLE A	104.0	<0.01		0.1		0.1	0.1	
FENN WEST 036-20W4								
BANFF A	11.8	<0.17		1.9		1.9	1.9	
D-2 A	2 600.0	0.60		1 560.0		1 560.0	1 314.6	245.4
D-2 B	154.0	<0.03		3.1		3.1	3.1	
D-2 C	690.0	0.15		104.0		104.0	42.7	61.3
D-2 D	397.0	0.30		119.0		119.0	30.3	88.7
D-2 E	400.0	0.40		160.0		160.0	44.0	116.0
D-3 A	559.0	0.10		55.9		55.9	38.8	17.1
D-3 B	154.0	0.05		7.7		7.7	4.4	3.3
D-3 C	375.0	0.40		150.0		150.0	109.5	40.5
D-3 D	79.7	<0.01		0.1		0.1	0.1	
D-3 E	1 480.0	0.45		666.0		666.0	316.4	349.6
D-3 F	549.0	0.25		137.0		137.0	16.5	120.5
D-3 G	987.0	0.25		247.0		247.0	13.9	233.1
FENN-BIG VALLEY 035-20W4								
VIKING D	185.0	<0.01		0.6		0.6	0.6	
BLAIRMORE B	357.0	<0.01		2.3		2.3	2.3	
UPPER MANNVILLE A	168.0	0.10		16.8		16.8	2.8	14.0
D-2 A TOTAL	75 200.0			51 300.0	500.0	51 800.0	47 011.4	4 788.6
PRIMARY AREA	69 500.0	0.70		48 700.0		48 700.0		
SOLVENT FLOOD AREA	5 670.0	<0.47	0.09	2 640.0	500.0	3 140.0		
D-2 B	99.5	<0.02		1.1		1.1	1.1	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.50	0.120	0.25	0.88	36	882	42	15 410	1 590.7	1982	83 02
64	4.30	0.170	0.25	0.88	36	882	42	16 251	1 582.5	1982	83 02
194	2.43	0.130	0.35	0.88	36	846	42	16 365	1 578.0	1981	86 12
64	3.00	0.180	0.30	0.87	46	833	73	16 439	1 607.5	1982	82 10
64	2.00	0.110	0.30	0.88	36		42	16 029	1 598.9	1982	83 08
64	1.40	0.080	0.28	0.88	44	854	42	13 115	1 614.3	1982	83 08
64	0.82	0.040	0.30	0.88	44	854	39	5 600	1 613.0	1982	85 12
64	1.70	0.090	0.30	0.88	36	845	42	14 804	1 632.9	1983	84 02 - ABAND 87 03
644	4.83	0.206	0.29	0.86	53	824	38	16 055	1 496.4	1986	87 12
448	9.84	0.194	0.27	0.85	50	828	36	15 885	1 491.9	1986	87 12
42	2.20	0.100	0.40	0.90	33	833	43	16 464	1 597.4	1982	85 05
64	2.80	0.210	0.45	0.87	45	845	45	16 720	1 608.9	1982	82 07
16	5.00	0.100	0.25	0.83	61	833	44	16 704	1 607.5	1982	85 05
21	3.70	0.130	0.45	0.90	34	845	43	16 292	1 602.0	1982	85 05
64	6.50	0.160	0.45	0.90	34	845	43	16 940	1 608.3	1982	83 08
25	2.00	0.150	0.48	0.90	64	844	43	16 430	1 612.8	1983	85 05
128	3.50	0.207	0.72	0.86	54	824	32	5 500	1 510.8	1986	86 12
379	2.56	0.067	0.16	0.82	66	855	66	12 480	1 637.7	1960	75 12 - GPP
673	4.80	0.070	0.17	0.80	66	876	66	12 550	2 292.7	1953	79 02
64	5.90	0.040	0.50	0.80	66	876	66	12 605	1 636.1	1981	87 12 - GPP
64	5.20	0.100	0.10	0.82	65	873	64	11 843	1 631.6	1986	87 05
322	4.18	0.057	0.18	0.82	69	870	60	13 100	1 670.0	1953	79 12 - GPP
32	18.50	0.070	0.26	0.82	71	844	58	12 453	1 668.9	1980	84 10
797	2.13	0.204	0.35	0.80	30	876	38	6 900	1 072.3	1953	84 12 - SUSP 80 03
64	9.80	0.090	0.43	0.85	60	850	35	7 400	1 142.4	1986	86 12
565	25.14	0.064	0.15	0.88	39	844	48	8 650	1 182.3	1949	87 02 - GPP
100	1.83	0.200	0.20	0.80	43	860	38	6 170	836.4	1953	84 12 - SUSP 86 11
64	0.90	0.200	0.60	0.80	43	860	38	5 500	843.0	1961	85 09
32	5.80	0.240	0.30	0.92	40	909	38	6 605	1 049.6	1953	84 04
112	7.94	0.220	0.25	0.91	35	887	42	7 250	1 066.2	1965	81 12 - GPP
32	6.00	0.260	0.22	0.90	40	900	32	7 221	1 066.8	1976	85 07 - SUSP 85 09
306	5.18	0.083	0.15	0.92	27	870	42	7 760	1 093.6	1949	64 04 - ABAND 62 01
214	7.19	0.057	0.17	0.92	27	870	41	8 170	1 148.2	1954	68 02 - GPP
405	13.75	0.063	0.15	0.93	33	898	47	9 100	1 226.5	1953	85 05
64	2.40	0.130	0.40	0.87	42	890	70	8 726	1 220.8	1976	82 09 - SUSP 80 12
5	7.93	0.070	0.50	0.85	71	855	44	7 660	1 422.2	1977	79 10 - ABAND 81 02
1 202	6.40	0.056	0.24	0.80	81	860	61	12 410	1 699.9	1961	84 11
64	5.00	0.090	0.35	0.82	20	866	33	11 901	1 633.5	1980	80 09 - ABAND 82 06
128	12.19	0.070	0.22	0.81	73	846	62	12 300	1 725.2	1982	86 12
64	14.10	0.067	0.20	0.82	70	847	63	12 435	1 743.4	1982	83 04
84	12.40	0.058	0.22	0.84	73	865	62	12 483	1 730.6	1983	84 08
64	15.50	0.080	0.20	0.88	35	849	55	12 891	1 783.2	1982	86 12
64	7.26	0.048	0.15	0.81	89	858	58	12 620	1 754.6	1982	86 12
14	40.20	0.091	0.10	0.80	67	860	61	13 094	1 820.6	1982	85 03 - SUSP 87 01
64	5.00	0.040	0.25	0.83	67	893	60	10 052	1 804.8	1982	83 03 - SUSP 82 12
56	55.13	0.069	0.14	0.81	76	848	65	13 111	1 794.7	1983	87 01
64	21.60	0.062	0.21	0.81	76	861	67	12 895	1 801.8	1984	85 04
64	24.00	0.103	0.23	0.81	75	860	65	12 512	1 793.7	1985	85 11
64	3.50	0.170	0.40	0.81	70	857	60	6 405	1 195.6	1954	82 11 - SUSP 84 09
64	5.10	0.200	0.25	0.73	90	846	47	8 906	1 292.6	1952	84 12 - SUSP 85 04
64	2.00	0.230	0.32	0.84	53	890	39	7 995	1 200.0	1984	86 05
6 280					77	865	58	12 480	1 612.1	1950	83 10
5 248	16.70	0.110	0.11	0.81							
1 032	9.62	0.082	0.14	0.81							
64	4.63	0.060	0.30	0.80	78	855	52	12 920	1 652.2	1976	78 04 - SUSP 81 02

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
FENN-BIG VALLEY 035-20W4 (CONTINUED)								
BIG VALLEY D-3 A	642.0	0.75		482.0		482.0	418.1	63.9
BIG VALLEY D-3 B	261.0	0.45		117.0		117.0	91.6	25.4
FENN D-3 C	110.0	0.40		44.0		44.0	24.9	19.1
FENN D-3 E	329.0	0.17		55.9		55.9	43.7	12.2
FENN D-3 F	3 000.0	0.75		2 250.0		2 250.0	2 007.0	243.0
D-3 G	260.0	<0.05		11.4		11.4	11.4	
D-3 H	47.7	<0.01		0.1		0.1		0.1
FERRIER 040-08W5								
BELLY RIVER A	4 130.0	<0.09		331.0		331.0	299.2	31.8
BELLY RIVER B	522.0	0.05		26.0		26.0	10.3	15.7
BELLY RIVER C	358.0	0.10		35.8		35.8	17.6	18.2
BELLY RIVER D	40.0	0.15		6.0		6.0	4.7	1.3
BELLY RIVER E	937.0	<0.01		0.5		0.5	0.5	
BELLY RIVER F	95.6	<0.01		0.7		0.7	0.7	
BELLY RIVER G	798.0	0.10		79.8		79.8	18.9	60.9
BELLY RIVER H	36.6	0.10		3.7		3.7	0.2	3.5
CARDIUM C	64.5	0.10		6.5		6.5	5.9	0.6
CARDIUM D TOTAL	18 900.0			942.0	2 200.0	3 142.0	1 798.9	1 343.1
PRIMARY AREA	1 240.0	0.05		62.0		62.0		
WATER FLOOD AREA	17 700.0	0.05	0.12	880.0	2 200.0	3 080.0		
CARDIUM E TOTAL	31 300.0			2 480.0	2 440.0	4 920.0	2 595.6	2 324.4
PRIMARY AREA	857.0	0.05		43.0		43.0		
WATER FLOOD AREA	30 400.0	0.08	0.08	2 440.0	2 440.0	4 880.0		
CARDIUM F	94.7	<0.01		0.6		0.6	0.6	
CARDIUM R	40.6	<0.05		1.8		1.8	1.8	
CARDIUM U	182.0	0.10		18.2		18.2	4.2	14.0
CARDIUM X	185.0	<0.01		0.4		0.4	0.4	
CARDIUM BB	140.0	<0.01		0.2		0.2	0.2	
CARDIUM GG	126.0	<0.01		0.1		0.1	0.1	
CARDIUM G&L TOTAL	23 200.0			1 158.0	2 500.0	3 658.0	1 260.2	2 397.8
PRIMARY AREA	4 550.0	0.05		228.0		228.0		
WATER FLOOD AREA	18 600.0	0.05	0.14	930.0	2 500.0	3 430.0		
CARDIUM BN & VIKING A	2 880.0	0.15		432.0		432.0	331.0	101.0
VIKING C	76.8	0.15		11.5		11.5	9.4	2.1
VIKING D	65.9	0.15		9.9		9.9	4.6	5.3
VIKING E	61.3	0.10		6.1		6.1	3.0	3.1
VIKING F	60.0	0.15		9.0		9.0	7.2	1.8
ELLERSLIE C	311.0	0.10		31.1		31.1	6.5	24.6
ROCK CREEK B	107.0	<0.01		0.2		0.2	0.2	
SHUNDA A	132.0	<0.01		0.4		0.4	0.4	
FERRYBANK 044-27W4								
BELLY RIVER C	2 460.0	0.10		246.0		246.0	29.2	216.8
BELLY RIVER E	3 769.0	0.10		377.0		377.0	49.5	327.5
GLAUCONITIC C	396.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	226.0	<0.02		4.2		4.2	4.2	
LOWER MANNVILLE I	155.1	0.05		7.8		7.8	2.8	5.0
LOWER MANNVILLE M	326.0	<0.01		1.4		1.4	1.4	
BANFF C	285.0	0.05		14.3		14.3	0.5	13.8
BANFF D	183.0	0.10		18.3		18.3	2.9	15.4
FIR 059-21W5								
CARDIUM A	135.0	0.10		13.5		13.5	5.1	8.4
FIRE 113-07W6								
KEG RIVER A	256.0	0.10		25.6		25.6	11.7	13.9
KEG RIVER B	136.0	<0.01		0.3		0.3	0.3	
KEG RIVER C	227.0	0.20		45.4		45.4	20.0	25.4
KEG RIVER D	150.0	0.25		37.5		37.5	1.4	36.1
KEG RIVER F	289.0	0.25		72.3		72.3		72.3
FOURTH 082-09W6								
HALFWAY A	712.0	0.15		107.0		107.0	5.9	101.1
FOX CREEK 062-18W5								
GETHING B	980.0	0.05		49.0		49.0	17.7	31.3
GETHING H	269.0	0.20		53.8		53.8	1.4	52.4
BEAVERHILL LAKE A TOTAL	1 700.0			255.1	321.0	576.1	282.7	293.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
369	4.42	0.060	0.20	0.82	76	849	58	12 820	1 637.7	1950	86 12 - GPP
119	3.81	0.085	0.15	0.80	80	876	59	12 510	1 644.1	1954	65 02 - GPP
101	2.44	0.067	0.18	0.81	73	892	60	12 410	1 645.3	1965	87 05
182	3.05	0.085	0.15	0.82	73	865	58	12 760	1 620.3	1953	81 12 - GPP
626	6.64	0.100	0.12	0.82	73	898	61	12 690	1 651.7	1954	84 11 - GPP
128	3.40	0.090	0.17	0.80	73	904	41	12 560	1 584.7	1952	84 12 - SUSP 84 12
16	3.10	0.120	0.12	0.91	38	960	57	11 725	1 646.5	1983	83 09 - SUSP 85 02
1 212	4.51	0.130	0.30	0.83	62	820	59	9 620	1 713.3	1966	77 05
64	10.80	0.130	0.30	0.83	62	820	57	9 840	1 659.9	1967	80 05
65	7.32	0.130	0.30	0.83	66	829	54	8 430	1 627.0	1974	76 01 - SUSP 86 10
64	1.45	0.130	0.60	0.83	67	898	57	9 527	1 717.6	1980	86 12 - GPP
64	12.00	0.210	0.30	0.83	70	898	50	9 866	1 715.5	1980	84 12 - ABAND 82 07
64	3.00	0.120	0.50	0.83	54	830	57	8 965	1 615.8	1982	83 04 - SUSP 85 08
256	6.10	0.110	0.44	0.83	61	835	55	9 262	1 699.0	1982	84 03
64	1.13	0.111	0.45	0.83	61	834	55	9 300	1 703.2	1984	85 10
69	1.40	0.120	0.20	0.75	166	806	71	23 170	2 184.5	1961	82 12 - GPP
6 912					169	825	77	21 510	2 093.4	1963	86 07 - GPP
512	3.21	0.130	0.12	0.66							
6 400	3.15	0.151	0.12	0.66							
6 285					198	811	54	21 750	2 135.4	1965	85 08 - GPP
448	2.45	0.148	0.12	0.60							
5 837	6.66	0.148	0.12	0.60							
65	1.52	0.140	0.12	0.78	133	834	52	21 130	2 008.6	1958	69 05 - SUSP 68 11
64	1.50	0.080	0.20	0.66	209	817	74	23 240	2 318.0	1976	83 12 - SUSP 80 08
64	5.52	0.096	0.20	0.67	218	824	71	24 764	2 283.4	1976	81 02 - GPP
64	4.40	0.123	0.15	0.63	175		75	21 239	2 204.6	1980	83 12 - SUSP 81 11
64	2.95	0.140	0.20	0.66	150	813	70	20 153	2 303.7	1976	82 05 - SUSP 82 06
64	2.40	0.140	0.15	0.69	180	806	70	21 760	2 199.0	1980	84 10 - SUSP 84 08
10 008					190	806	70	21 600	2 180.3	1966	87 12 - GPP
2 029	3.35	0.125	0.15	0.63							
7 979	3.30	0.132	0.15	0.63							
6 066	1.50	0.078	0.30	0.58	273	811	78	28 750	2 499.1	1955	84 12 - GPP
64	2.50	0.100	0.20	0.60	190		73	26 204	2 461.8	1979	83 12
64	3.00	0.075	0.25	0.61	217	823	81	26 080	2 377.9	1982	85 12
64	2.00	0.090	0.25	0.71	134	836	93	25 610	2 502.0	1979	84 10 - SUSP 87 02
125	1.00	0.090	0.25	0.71	140	815	84	28 100	2 483.7	1985	87 05
64	7.15	0.130	0.13	0.60	190	797	84	22 005	2 667.5	1979	86 09
64	3.50	0.085	0.24	0.74	120	828	70	19 000	2 563.9	1982	83 04 - SUSP 83 05
65	5.18	0.083	0.25	0.63	195	815	81	22 510	2 602.7	1965	67 04 - ABAND 67 11
448	6.42	0.200	0.53	0.91	28	850	38	5 736	1 005.2	1985	87 05
1 152	4.41	0.170	0.52	0.91	28	850	30	5 681	965.1	1985	87 12
64	5.30	0.180	0.19	0.80	88	860	30	13 100	1 734.9	1985	85 11 - SUSP 85 10
64	4.00	0.160	0.31	0.80	82	860	60	10 430	1 705.0	1979	79 10 - SUSP 82 07
53	2.50	0.190	0.23	0.80	76	894	57	12 454	1 682.0	1982	86 07 - GPP
128	4.24	0.120	0.35	0.77	95	820	66	13 604	1 741.8	1984	85 10 - SUSP 85 08
32	11.40	0.150	0.35	0.80	45	905	55	8 421	1 725.0	1985	85 06
64	6.31	0.090	0.37	0.80	55	905	64	11 005	1 757.1	1985	85 11
64	3.70	0.100	0.25	0.76	107	850	56	20 602	1 854.7	1977	81 02
22	61.70	0.035	0.30	0.77	95	844	77	15 540	1 546.9	1969	80 09 - SUSP 86 03
20	36.58	0.034	0.30	0.77	95	849	77	15 420	1 539.5	1970	71 12 - ABAND 71 10
17	53.16	0.040	0.20	0.77	95	844	77	15 090	1 533.8	1969	82 12 - GPP
20	48.34	0.031	0.35	0.77	86	875	68	15 163	1 524.3	1986	86 08
64	44.00	0.020	0.35	0.79	74	844	74	7 872	1 534.0	1986	87 08
256	4.67	0.108	0.31	0.80	79	844	50	11 716	1 298.0	1979	86 04
192	7.79	0.130	0.40	0.84	64	882	59	14 642	1 929.8	1977	87 05
64	5.96	0.160	0.45	0.80	76	893	61	14 590	1 893.9	1978	86 09 - GPP
1 200					530		110	28 730	3 086.7	1975	87 02

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
FOX CREEK 062-18W5 (CONTINUED)								
PRIMARY AREA	95.2	0.15		14.3		14.3		
WATER FLOOD AREA	1 605.0	0.15	0.20	240.8	321.0	561.8		
BEAVERHILL LAKE B	42.5	0.20		8.5		8.5	0.3	8.2
GALAHAD 041-15W4								
ELLERSLIE A	112.0	0.10		11.2		11.2	2.1	9.1
CAMROSE A	127.0	0.15		19.1		19.1	11.4	7.7
GARRINGTON 034-04W5								
CARDIUM C	376.0	0.10		37.6		37.6	29.0	8.6
CARDIUM F	141.0	<0.01		0.1		0.1	0.1	
CARDIUM G	114.0	<0.01		1.0		1.0	1.0	
CARDIUM H	23.8	<0.02		0.3		0.3	0.3	
CARDIUM I	197.0	0.10		19.7		19.7	5.7	14.0
CARDIUM J	47.9	0.10		4.8		4.8	1.2	3.6
CARDIUM L	95.7	0.10		9.6		9.6	1.7	7.9
CARDIUM M	660.0	0.10		66.0		66.0	6.5	59.5
CARDIUM N	238.0	0.10		23.8		23.8	14.8	9.0
CARDIUM O	266.0	0.10		26.6		26.6	1.3	25.3
CARDIUM P	272.0	0.10		27.2		27.2	0.5	26.7
CARDIUM Q	86.6	0.20		17.3		17.3	16.3	1.0
CARDIUM R	43.2	0.10		4.3		4.3	0.1	4.2
CARDIUM S	133.0	0.10		13.3		13.3	3.9	9.4
CARDIUM A&B TOTAL	31 600.0			1 580.0	1 650.0	3 230.0	2 819.1	410.9
PRIMARY AREA	11 400.0	0.05		570.0		570.0		
WATER FLOOD AREA	20 200.0	0.05	0.08	1 010.0	1 650.0	2 660.0		
SECOND WHITE SPECKS A	87.5	0.10		8.8		8.8	2.1	6.7
SECOND WHITE SPECKS B	97.6	0.15		14.6		14.6	8.4	6.2
SECOND WHITE SPECKS C	425.0	0.10		42.5		42.5	1.3	41.2
SECOND WHITE SPECKS D	94.2	0.10		9.4		9.4	0.1	9.3
SECOND WHITE SPECKS E	139.0	0.10		13.9		13.9	1.4	12.5
SECOND WHITE SPECKS F	81.9	0.10		8.2		8.2	1.4	6.8
VIKING A	13 000.0	0.10		1 300.0		1 300.0	546.3	753.7
VIKING C	132.0	0.10		13.2		13.2	2.7	10.5
VIKING F	302.0	0.10		30.2		30.2	24.2	6.0
VIKING G	183.0	0.05		9.2		9.2	2.1	7.1
VIKING J	72.4	0.20		14.5		14.5	5.6	8.9
VIKING K	154.0	0.20		30.8		30.8	11.5	19.3
VIKING L	197.0	0.03		5.9		5.9	3.3	2.6
VIKING N	207.0	0.10		20.7		20.7	7.1	13.6
VIKING Q	630.0	0.10		63.0		63.0	31.4	31.6
VIKING S	58.1	0.10		5.8		5.8	0.5	5.3
MANNVILLE B	9 720.0	0.07		680.0		680.0	653.1	26.9
MANNVILLE D	3 400.0	0.07		240.0		240.0	178.6	61.4
MANNVILLE I	620.0	0.20		124.0		124.0	45.9	78.1
MANNVILLE L	15.3	0.10		1.6		1.6	0.6	1.0
MANNVILLE M	167.0	0.10		16.7		16.7	1.4	15.3
MANNVILLE N	63.9	0.10		6.4		6.4	0.1	6.3
LOWER MANNVILLE A	83.0	<0.02		1.4		1.4	1.4	
LOWER MANNVILLE B	37.8	<0.03		0.9		0.9	0.9	
LOWER MANNVILLE D	83.6	<0.05		4.0		4.0	4.0	
LOWER MANNVILLE E	403.0	0.03		12.1		12.1	3.3	8.8
LOWER MANNVILLE I	257.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE J	130.0	0.10		13.0		13.0	4.4	8.6
LOWER MANNVILLE P	63.0	0.10		6.3		6.3	2.7	3.6
LOWER MANNVILLE Q	480.0	0.10		48.0		48.0	7.8	40.2
LOWER MANNVILLE S	163.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE T	160.0	0.10		16.0		16.0	0.8	15.2
LOWER MANNVILLE U	69.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE Y	128.0	0.10		12.8		12.8	2.1	10.7
LOWER MANNVILLE Z	446.0	0.10		44.6		44.6	3.7	40.9
LOWER MANNVILLE KK	105.0	0.10		10.5		10.5	1.6	8.9
LOWER MANNVILLE MM	17.0	0.10		1.7		1.7	0.1	1.6
LOWER MANNVILLE NN	28.7	0.05		1.4		1.4	0.3	1.1
LOWER MANNVILLE OO	47.8	0.05		2.4		2.4		2.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.10	0.150	0.20	0.40							
1 136	5.38	0.082	0.20	0.40							
64	4.11	0.056	0.24	0.38	508	801	110	28 893	3 089.6	1976	87 01
16	4.30	0.240	0.20	0.85	60	887	40	7 300	1 055.2	1983	83 04 - SUSP 86 12
32	5.90	0.120	0.30	0.80	80	929	51	8 665	1 173.5	1983	84 06
287	2.10	0.100	0.18	0.76	109	829	66	20 000	1 878.8	1960	82 12 - GPP
64	2.70	0.120	0.15	0.80	68	820	75	20 200	1 852.9	1981	82 05 - ABAND 82 03
64	3.00	0.100	0.25	0.79	90	820	60	20 300	1 846.9	1981	82 06 - ABAND 84 05
128	0.56	0.060	0.30	0.79	85	828	60	11 000	1 837.4	1982	83 03 - ABAND 84 05
128	2.83	0.080	0.15	0.80	89	823	59	23 123	1 863.5	1982	84 09
64	1.80	0.080	0.35	0.80	89	822	59	23 123	1 820.8	1982	83 11
64	2.00	0.110	0.15	0.80	89	822	59	23 183	1 832.3	1983	84 10
512	2.48	0.100	0.35	0.80	48	843	67	15 616	1 863.3	1984	87 04
277	1.16	0.120	0.23	0.80	96	843	68	22 238	1 885.5	1976	86 10
128	3.10	0.100	0.15	0.79	88	819	60	20 131	1 945.8	1984	85 05
128	4.30	0.120	0.45	0.75	96	845	68	14 658	2 027.0	1985	86 02
90	1.46	0.104	0.13	0.76	108	840	64	24 038	2 185.0	1963	79 12 - GPP
64	1.20	0.100	0.25	0.75	106	825	63	22 390	1 908.4	1983	86 05
128	2.00	0.120	0.45	0.79	88	819	60	17 561	1 870.4	1985	86 10
15 434					109	829	64	24 550	2 022.0	1954	84 06
5 521	3.24	0.100	0.15	0.75							
9 913	3.20	0.100	0.15	0.75							- GPP
64	3.20	0.090	0.35	0.73	115	823	64	17 307	2 314.1	1981	83 02
64	8.70	0.030	0.20	0.73	110	815	70	24 698	2 202.7	1984	85 08
64	13.00	0.100	0.30	0.73	110	819	67	23 031	2 105.5	1984	85 10 - GPP
64	8.40	0.030	0.20	0.73	115	815	53	23 816	2 137.4	1979	86 03 - SUSP 87 01
64	8.50	0.050	0.20	0.64	177	823	84	23 292	2 301.8	1985	86 10
64	5.00	0.050	0.20	0.64	177	816	84	20 650	2 234.3	1984	86 12
3 264	7.44	0.100	0.37	0.85	57	841	64	9 336	2 095.5	1978	85 01
64	3.60	0.105	0.35	0.84	51	841	71	10 052	2 382.2	1982	83 04
65	6.71	0.120	0.30	0.83	128	820	53	8 960	2 002.6	1963	73 12 - GPP
64	4.80	0.100	0.29	0.84	51	842	71	7 895	2 117.0	1983	83 07 - SUSP 86 11
116	1.87	0.053	0.25	0.84	51	842	71	8 937	2 081.6	1983	87 12
100	3.26	0.084	0.33	0.84	51	840	71	17 241	2 286.4	1979	87 12
64	7.35	0.087	0.35	0.74	110	832	71	8 117	2 001.2	1981	86 12
64	5.00	0.110	0.30	0.84	68	835	75	17 818	2 362.9	1984	85 06
320	5.03	0.080	0.33	0.73	110	842	77	21 000	2 504.6	1984	87 07
64	1.50	0.120	0.40	0.84	68	835	75	17 988	2 389.0	1985	86 10
5 433	4.11	0.128	0.15	0.40	385	797	68	32 000	2 405.8	1963	81 12 - GPP
2 560	2.51	0.106	0.22	0.64	85	874	60	27 421	2 560.8	1980	87 05
161	4.58	0.160	0.18	0.64	181	864	81	29 203	2 614.0	1982	86 12
64	0.40	0.110	0.14	0.64	250	821	97	27 450	2 564.4	1984	85 10
64	4.43	0.115	0.20	0.64	181	874	81	27 025	2 508.0	1984	86 03
64	3.23	0.069	0.30	0.64	181	863	81	24 063	2 609.5	1984	86 07 - SUSP 87 02
65	2.74	0.110	0.15	0.50	301	829	64	23 080	2 512.5	1974	75 11 - ABAND 75 06
65	1.83	0.080	0.20	0.50	301	825	64	28 440	2 464.3	1975	76 02 - ABAND 75 06
64	2.16	0.090	0.16	0.80	106	839	71	28 820	2 442.0	1977	84 07 - ABAND 83 12
64	10.00	0.120	0.30	0.75	96	845	86	25 806	2 639.0	1979	82 12 - GPP
64	6.50	0.110	0.25	0.75	110	855	63	21 495	2 553.1	1981	84 12 - ABAND 82 10
64	1.50	0.200	0.10	0.75	100	821	83	24 775	2 642.9	1982	87 12 - GPP
64	1.25	0.140	0.25	0.75	120	841	64	18 824	2 440.8	1982	83 01
256	2.70	0.110	0.21	0.80	152	843	82	28 269	2 618.1	1982	85 05
64	3.90	0.120	0.20	0.68	152	843	82	28 030	2 386.1	1982	83 04 - SUSP 83 11
64	3.50	0.130	0.19	0.68	152	843	82	27 038	2 596.8	1982	83 07
64	2.50	0.080	0.20	0.68	152	843	82	26 376	2 553.8	1983	84 07 - ABAND 83 11
64	3.30	0.095	0.15	0.75	152	841	82	25 911	2 716.8	1984	84 12 - SUSP 86 10
64	10.20	0.120	0.21	0.72	152	841	82	23 078	2 712.9	1984	84 12 - SUSP 87 01
64	2.80	0.100	0.25	0.78	113	871	84	15 279	2 561.5	1980	81 03
64	0.89	0.073	0.40	0.68	152	843	82	20 520	2 524.1	1975	86 07
64	0.60	0.120	0.17	0.75	191	807	88	30 920	2 361.9	1974	87 01 - GPP
64	1.00	0.120	0.17	0.75	191	807	88	27 949	2 375.7	1974	87 01 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GARRINGTON 034-04W5 (CONTINUED)								
LOWER MANNVILLE PP	71.7	0.05		3.6		3.6		3.6
LOWER MANNVILLE UU	50.1	0.05		2.5		2.5		2.5
LOWER MANNVILLE VV	130.0	0.05		6.5		6.5		6.5
LOWER MANNVILLE WW	24.2	0.05		1.2		1.2		1.2
LOWER MANNVILLE XX	42.9	0.05		2.2		2.2	0.3	1.9
LOWER MANNVILLE N&O	450.0	0.10		45.0		45.0	29.2	15.8
LOWER MANNVILLE CC, DD & EE	240.0	0.10		24.0		24.0	1.2	22.8
LOWER MANNVILLE GG, HH & II	439.0	0.10		43.9		43.9	7.0	36.9
LOWER MANNVILLE AAA	47.3	0.05		2.4		2.4		2.4
LOWER MANNVILLE BBB	104.0	0.05		5.2		5.2		5.2
ELKTON-SHUNDA A	52.5	<0.02		0.7		0.7	0.7	
WABAMUN A	6 470.0	0.20		1 290.0		1 290.0	1 121.5	168.5
NISKU A	211.0	0.15		31.6		31.6	0.1	31.5
LEDUC D	380.0	0.35		133.0		133.0	5.2	127.8
GENESEE 050-03W5								
ELLERSLIE A	26.6	0.05		1.3		1.3		1.3
GEORGE 082-05W6								
DEBOLT B	126.0	0.01		1.3		1.3	1.3	
GHOST PINE 031-22W4								
UPPER MANNVILLE V	1 010.0	<0.02		16.0		16.0	16.0	
UPPER MANNVILLE W	200.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE HH	281.0	0.07		19.7		19.7	16.3	3.4
UPPER MANNVILLE LL	132.0	0.05		6.6		6.6	4.7	1.9
UPPER MANNVILLE NN	116.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE RR	264.0	0.10		26.4		26.4	4.7	21.7
UPPER MANNVILLE WW	50.4	0.10		5.0		5.0	1.8	3.2
UPPER MANNVILLE YY	112.0	0.10		11.2		11.2	3.7	7.5
UPPER MANNVILLE CGHP&U	202.0	0.04		8.1		8.1	6.7	1.4
UPPER MANN Q,Y & FF	249.0	0.10		24.9		24.9	14.5	10.4
UPPER MANNVILLE EEE	203.0	0.10		20.3		20.3	6.2	14.1
UPPER MANNVILLE FFF	163.0	0.15		24.5		24.5	3.7	20.8
UPPER MANNVILLE HHH	64.6	0.15		9.7		9.7	0.5	9.2
UPPER MANNVILLE KKK	200.0	0.10		20.0		20.0	1.9	18.1
UPPER MANNVILLE LLL	708.0	0.10		70.8		70.8	12.8	58.0
UPPER MANNVILLE QQQ	136.0	0.10		13.6		13.6	0.9	12.7
UPPER MANNVILLE VVV	1 067.0	0.15		160.0		160.0	82.4	77.6
UPPER MANNVILLE WWW	142.0	0.10		14.2		14.2		14.2
LOWER MANNVILLE B	424.0	0.08		33.9		33.9	22.2	11.7
LOWER MANNVILLE E	115.0	0.15		17.3		17.3	14.4	2.9
LOWER MANNVILLE J	159.0	0.10		15.9		15.9	7.4	8.5
LOWER MANNVILLE K	110.0	<0.06		6.2		6.2	5.4	0.8
LOWER MANNVILLE N	88.7	0.15		13.3		13.3	5.0	8.3
LOWER MANNVILLE Q	327.0	0.10		32.7		32.7	3.1	29.6
LOWER MANNVILLE V	73.0	0.10		7.3		7.3		7.3
LOWER MANNVILLE A&H	362.0	0.08		29.0		29.0	23.5	5.5
PEKISKO F	110.0	0.10		11.0		11.0	10.4	0.6
PEKISKO K	305.0	0.02		6.1		6.1	3.5	2.6
PEKISKO N	202.0	0.10		20.2		20.2	4.2	16.0
PEKISKO P	77.4	0.10		7.7		7.7	1.9	5.8
GIFT 079-11W5								
SLAVE POINT A TOTAL	8 300.0			830.0	959.0	1 789.0	299.5	1 489.5
PRIMARY AREA	4 486.0	0.10		449.0		449.0		
WATER FLOOD AREA	3 814.0	0.10	0.25	381.0	959.0	1 340.0		
SLAVE POINT C	1 840.0	0.10		184.0		184.0	35.8	148.2
SLAVE POINT D	181.0	0.05		9.1		9.1	2.3	6.8
SLAVE POINT E	469.0	0.05		23.5		23.5	4.6	18.9
SLAVE POINT G	160.0	0.05		8.0		8.0	1.8	6.2
SLAVE POINT H	118.0	0.05		5.9		5.9	1.9	4.0
SLAVE POINT I	292.0	0.15		43.8		43.8	0.1	43.7
GILWOOD A	134.0	<0.03		3.4		3.4	3.4	
GILWOOD D	276.0	0.15		41.4		41.4	12.7	28.7
GILWOOD E	954.0	0.25		239.0		239.0	58.3	180.7
GILWOOD G	476.0	0.25		119.0		119.0	22.9	96.1
GILWOOD H	98.0	0.25		24.5		24.5	4.8	19.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
64	1.50	0.120	0.17	0.75	191	807	88	28 045	2 388.0	1974	87 01 - GPP
64	1.10	0.120	0.21	0.75	152	829	82	25 721	2 500.0	1974	87 04 - GPP
64	2.50	0.120	0.10	0.75	152	829	82	25 893	2 522.0	1974	87 04 - GPP
64	0.90	0.070	0.20	0.75	152	829	82	25 991	2 533.1	1974	87 04 - GPP
64	1.30	0.080	0.14	0.75	152	829	82	26 253	2 565.9	1974	87 04 - GPP
430	1.34	0.126	0.17	0.75	158	845	82	28 094	2 562.8	1981	85 07
64	4.97	0.120	0.20	0.80	152	843	82	26 195	2 577.6	1984	86 05 - SUSP 86 06
128	5.23	0.120	0.22	0.70	145	812	85	30 950	2 565.9	1985	87 08
64	1.50	0.090	0.27	0.75	92	812	79		2 461.1	1987	87 12
64	2.40	0.110	0.18	0.75	92	812	79		2 448.8	1987	87 12
64	2.00	0.072	0.15	0.67	140	845	82	19 218	2 402.0	1979	83 12 - SUSP 81 01
2 912	10.61	0.055	0.32	0.56	271	834	84	24 730	2 742.0	1965	84 12 - GPP
64	8.62	0.060	0.15	0.75	95	810	85	24 530	2 903.1	1986	87 08
64	18.10	0.069	0.15	0.56	255	805	93	19 434	3 007.0	1985	87 03
64	0.80	0.100	0.35	0.80	85	850	45	16 673	1 538.1	1983	84 09
64	4.00	0.090	0.30	0.78	99	829	52	15 670	1 524.5	1976	83 12 - SUSP 81 10
227	3.94	0.210	0.37	0.85	67	855	58	10 420	1 481.9	1966	79 03 - SUSP 74 08
65	3.29	0.146	0.25	0.86	61	870	41	10 250	1 396.9	1966	66 05 - SUSP 66 09
64	6.40	0.140	0.40	0.81	80	876	53	10 510	1 498.4	1967	82 12 - GPP
64	2.14	0.186	0.39	0.85	55	820	66	10 000	1 372.8	1973	75 12
64	1.83	0.170	0.32	0.85	64	855	43	10 270	1 390.8	1974	79 06 - SUSP 79 04
64	3.55	0.182	0.25	0.85	58	874	58	9 277	1 488.8	1980	81 06
64	0.90	0.180	0.40	0.81	66	851	40	9 900	1 359.3	1982	84 03 - SUSP 86 12
64	3.00	0.110	0.34	0.80	76	862	57	10 283	1 503.0	1983	84 11 - GPP
129	1.43	0.176	0.27	0.85	71	865	49	10 490	1 410.9	1966	87 12 - GPP
65	3.96	0.200	0.40	0.81	80	876	53	10 410	1 507.5	1967	68 12 - GPP
64	3.60	0.150	0.31	0.85	58	875	58	10 312	1 502.8	1985	86 03
64	3.20	0.140	0.37	0.90	58	873	45	10 280	1 484.0	1985	86 03
64	1.20	0.150	0.34	0.85	50	858	62	10 348	1 546.6	1980	86 07 - SUSP 86 09
64	2.70	0.180	0.24	0.85	60	869	45	10 250	1 460.7	1985	86 12
128	3.87	0.210	0.20	0.85	56	873	50	9 357	1 502.4	1986	86 12
64	3.00	0.130	0.35	0.84	60	870	48	6 818	1 370.6	1985	87 03
128	6.10	0.200	0.20	0.85	70	861	60	10 250	1 491.4	1971	87 11
64	2.70	0.160	0.36	0.80	71	830	52	10 236	1 489.6	1986	87 11
64	5.86	0.190	0.30	0.85	58	892	48	10 670	1 443.5	1959	86 12 - GPP
65	1.52	0.180	0.25	0.86	51	892	49	10 290	1 487.4	1966	87 12 - GPP
128	1.72	0.130	0.34	0.84	62	876	56	10 980	1 572.9	1977	79 06
64	1.98	0.150	0.32	0.85	62	881	49	11 030	1 570.3	1977	87 01 - GPP
64	3.30	0.100	0.50	0.84	60	861	61	10 245	1 509.2	1981	81 08
128	2.86	0.150	0.30	0.85	56	873	50	9 784	1 500.1	1985	86 12
64	1.60	0.120	0.30	0.85	52	869	47	9 485	1 494.9	1986	87 11
128	4.16	0.180	0.55	0.84	62	865	50	10 500	1 427.7	1965	81 12 - GPP
32	12.19	0.054	0.40	0.86	62	870	54	10 970	1 421.3	1965	74 03 - GPP
64	17.00	0.050	0.30	0.80	91	813	52	10 362	1 472.9	1979	85 12 - GPP
64	10.50	0.050	0.30	0.86	58	86	40	10 320	1 417.1	1981	82 04 - GPP
64	2.70	0.070	0.20	0.80	79	877	55	10 909	1 645.6	1981	84 02
1 762					16	830	64	16 663	1 771.8	1983	87 12
1 066	7.94	0.086	0.33	0.92							
696	10.34	0.086	0.13	0.92							
670	5.78	0.084	0.37	0.90	30	851	54	17 297	1 794.5	1980	86 12
64	5.76	0.091	0.40	0.90	15	854	65	3 944	1 825.5	1984	87 12
64	12.60	0.095	0.32	0.90	28	850	56	16 913	1 796.5	1984	87 12
64	6.70	0.080	0.50	0.93	15	835	65	15 745	1 799.0	1985	87 12
64	4.10	0.079	0.37	0.90	30	850	54	17 083	1 784.0	1985	87 12
64	11.40	0.100	0.55	0.89	34	838	50	17 881	1 865.8	1985	86 03 - SUSP 86 01
128	1.76	0.110	0.35	0.83	58	841	60	18 213	1 822.3	1980	85 02 - SUSP 85 08
64	3.80	0.180	0.30	0.90	26	841	65	17 560	1 803.1	1983	84 04
256	3.72	0.170	0.29	0.83	56	847	71	18 648	1 809.1	1984	85 02
64	6.40	0.200	0.30	0.83	62	847	57	8 200	1 794.3	1984	85 02
64	1.70	0.160	0.35	0.87	43	847	56	18 101	1 849.2	1984	85 04

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GIFT 079-11W5 (CONTINUED)								
GILWOOD I	15.8	0.20		3.2		3.2	0.3	2.9
GILWOOD J	918.0	0.25		230.0		230.0	37.2	192.8
GRANITE WASH A	72.7	<0.01		0.2		0.2	0.2	
GRANITE WASH B	198.0	0.25		49.5		49.5	3.5	46.0
GRANITE WASH C	65.0	0.20		13.0		13.0	0.8	12.2
GRANITE WASH D	95.4	0.20		19.1		19.1	2.1	17.0
GILBY 041-03W5								
BELLY RIVER A	286.0	0.07		20.0		20.0	17.9	2.1
BELLY RIVER B	565.0	0.10		56.5		56.5	35.3	21.2
BELLY RIVER C	485.0	<0.01		1.2		1.2	1.1	0.1
BELLY RIVER E	338.0	0.02		6.8		6.8	1.0	5.8
CARDIUM A	170.0	0.12		20.4		20.4	16.3	4.1
CARDIUM D	84.5	0.10		8.5		8.5	0.5	8.0
CARDIUM E	106.0	0.10		10.6		10.6	5.0	5.6
VIKING A TOTAL	6 501.0			1 203.0	1 285.0	2 488.0	2 480.5	7.5
PRIMARY AREA	381.0	0.10		38.1		38.1		
WATER FLOOD AREA	6 120.0	<0.20	0.21	1 165.0	1 285.0	2 450.0		
VIKING B TOTAL	1 440.0			412.0	184.0	596.0	545.9	50.1
PRIMARY AREA	30.5	0.10		3.1		3.1		
WATER FLOOD AREA	1 410.0	0.29	0.13	409.0	184.0	593.0		
VIKING C	229.0	0.20		46.1		46.1	33.6	12.5
VIKING F	68.7	0.15		10.3		10.3	8.7	1.6
VIKING G	61.2	<0.02		0.9		0.9	0.9	
VIKING H	19.8	0.02		0.4		0.4	0.4	
VIKING I	178.0	0.20		35.6		35.6	26.9	8.7
VIKING J	74.5	0.05		3.7		3.7	0.2	3.5
VIKING K	36.1	0.10		3.6		3.6		3.6
VIKING L	32.1	0.10		3.2		3.2	0.7	2.5
UPPER MANNVILLE D	145.0	0.10		14.5		14.5	5.3	9.2
BASAL MANNVILLE B TOTAL	7 000.0			868.0	805.0	1 670.0	975.6	694.4
PRIMARY AREA	1 250.0	0.05		62.5		62.5		
WATER FLOOD AREA	5 750.0	0.14	0.14	805.0	805.0	1 610.0		
BASAL MANNVILLE F	28.0	0.10		2.8		2.8	0.7	2.1
BASAL MANNVILLE G	76.3	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE Q	103.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE R	1 700.0	0.10		170.0		170.0	54.2	115.8
BASAL MANNVILLE S	493.0	0.07		34.5		34.5	20.1	14.4
BASAL MANNVILLE U	117.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE X	376.0	<0.01		1.7		1.7	1.7	
BASAL MANNVILLE Y	93.6	<0.01		0.1		0.1		0.1
BASAL MANNVILLE AA	93.0	0.10		9.3		9.3	1.5	7.8
BASAL MANNVILLE BB	133.0	0.15		20.0		20.0	4.4	15.6
BASAL MANNVILLE H&L JUR E & UP MANN A	1 290.0	0.05		64.5		64.5	42.9	21.6
JURASSIC B TOTAL	12 300.0			1 480.0	2 190.0	3 680.0	2 614.0	1 066.0
PRIMARY AREA	138.0	0.10		13.8		13.8		
WATER FLOOD AREA	12 200.0	<0.13	0.18	1 470.0	2 190.0	3 670.0		
JURASSIC F WATER FLOOD	1 760.0	0.15	0.25	264.0	442.0	706.0	381.1	324.9
JURASSIC I	610.0	0.05		30.5		30.5	22.3	8.2
JURASSIC J	443.0	0.10		44.3		44.3	32.9	11.4
JURASSIC L	1 150.0	0.10		115.0		115.0	16.2	98.8
RUNDLE B	175.0	<0.02		2.0		2.0	2.0	
RUNDLE E	140.0	<0.07		8.7		8.7	8.7	
RUNDLE F	447.0	<0.01		0.1		0.1	0.1	
RUNDLE L	300.0	0.03		9.0		9.0	5.4	3.6
RUNDLE M	139.0	<0.01		0.1		0.1	0.1	
RUNDLE N	67.4	0.10		6.7		6.7		6.7
RUNDLE O	311.0	0.05		15.6		15.6	7.3	8.3
BANFF A	188.0	<0.01		0.1		0.1	0.1	
NISKU A	121.0	<0.02		1.3		1.3	1.3	
NISKU B	401.0	0.10		40.1		40.1	2.5	37.6
D-3 A	169.0	0.20		33.8		33.8	1.5	32.3
GILWOOD 073-18W5								
GILWOOD A	442.0	0.30		133.0		133.0	103.6	29.4
GILWOOD B	287.0	0.30		86.1		86.1	11.2	74.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	0.50	0.080	0.29	0.87	43	847	54	16 447	1 830.5	1984	85 04 - SUSP 86 03
256	4.00	0.144	0.30	0.89	31	836	59	18 632	1 876.4	1984	87 12
64	1.50	0.150	0.42	0.87	43	854	55	19 017	1 836.7	1984	84 11 - ABAND 84 11
64	3.30	0.200	0.46	0.87	42	835	56	18 383	1 876.7	1984	85 04 - SUSP 86 11
64	1.20	0.130	0.25	0.87	42	835	56	19 055	1 826.6	1984	85 04 - SUSP 86 03
64	1.70	0.180	0.44	0.87	39	845	65	17 263	1 838.2	1984	86 02
129	3.57	0.183	0.60	0.85	57	820	38	7 170	1 282.9	1963	75 12 - GPP
128	5.75	0.140	0.37	0.87	51	820	46	7 240	1 365.3	1965	85 04 - GPP
64	6.40	0.200	0.32	0.87	68	820	33	8 200	1 299.3	1979	81 12 - ABAND 85 01
64	8.00	0.138	0.45	0.87	58	836	29	7 500	1 312.3	1979	85 12 - SUSP 86 07
170	1.83	0.090	0.20	0.76	106	811	63	17 790	1 671.8	1962	87 12 - GPP
64	1.50	0.150	0.15	0.69	140	835	62	18 980	1 847.8	1984	85 08
64	1.50	0.210	0.35	0.81	85	838	56	17 212	1 782.5	1985	86 08
5 926					55	834	62	9 960	1 784.9	1953	87 12 - GPP
320	2.11	0.100	0.32	0.83							
5 606	1.86	0.104	0.32	0.83							
2 334					92	839	68	17 930	1 951.0	1962	83 12 - GPP
64	1.30	0.070	0.32	0.77							
2 270	1.62	0.073	0.32	0.77							
255	1.16	0.140	0.29	0.78	92	839	66	17 440	1 911.1	1956	74 12 - GPP
128	0.93	0.110	0.30	0.75	110	849	66	10 940	1 973.9	1974	80 12 - GPP
65	1.22	0.140	0.29	0.78	92	849	62	12 510	1 908.0	1976	83 12 - SUSP 81 03
64	2.50	0.030	0.45	0.75	100	818	83	12 600	1 917.6	1980	82 07 - SUSP 85 05
256	1.31	0.110	0.38	0.78	94	832	50	7 196	1 832.4	1984	85 06
64	1.80	0.110	0.30	0.84	58	834	63	11 770	1 831.1	1985	86 07 - SUSP 86 12
64	1.37	0.066	0.20	0.78	90	837	72	9 943	2 044.9	1985	87 05 - GPP
64	0.80	0.105	0.35	0.92	49	850	60	8 341	1 671.6	1985	87 08
69	3.20	0.120	0.26	0.80	93	899	53	16 500	1 825.8	1985	86 04
996					71	892	69	15 860	2 145.0	1957	84 12 - GPP
288	6.02	0.120	0.23	0.78							
708	9.40	0.142	0.22	0.78							
41	0.91	0.150	0.30	0.72	71	892	68	15 580	2 144.0	1966	73 02 - GPP
65	2.13	0.100	0.30	0.79	91	892	53	15 240	2 033.6	1966	68 02 - SUSP 67 06
64	1.83	0.140	0.20	0.78	99	904	52		1 887.0	1974	75 12 - ABAND 76 06
128	13.84	0.136	0.15	0.83	66	887	60	14 370	2 135.6	1976	85 07
128	5.20	0.130	0.27	0.78	98	829	56	15 440	1 894.3	1971	81 12 - GPP
64	4.00	0.090	0.35	0.78	103	904	67	15 462	2 208.5	1979	80 07 - ABAND 83 05
64	9.50	0.110	0.28	0.78		889	52	16 982	2 192.3	1979	79 08 - SUSP 84 06
64	2.10	0.130	0.33	0.80	87	890	79	17 500	2 126.4	1981	84 01 - ABAND 84 05
64	1.90	0.140	0.30	0.78	95	898	59	18 132	2 089.0	1986	86 12
64	2.35	0.135	0.16	0.78	87	890	76	18 396	2 094.1	1979	86 12 - GPP
192	7.70	0.140	0.22	0.80	86	892	71	16 220	2 137.0	1972	84 12 - GPP
1 893					86	887	71	16 000	2 149.1	1958	86 05
64	3.06	0.110	0.20	0.80							
1 829	6.40	0.167	0.22	0.80							
404	4.97	0.146	0.25	0.80	90	887	66	15 960	2 165.3	1961	68 05 - GPP
64	7.01	0.210	0.20	0.80	76	892	70	13 750	2 155.2	1973	79 12
65	7.62	0.150	0.25	0.80	80	887	71	12 960	2 165.0	1974	74 12
192	4.79	0.230	0.32	0.80	83	896	70	11 618	2 153.8	1982	86 04 - GPP
101	4.79	0.062	0.28	0.81	86	898	71	15 860	2 148.2	1958	64 04 - SUSP 66 10
32	6.83	0.100	0.22	0.81	73	898	71	16 130	2 178.1	1962	63 10 - SUSP 64 07
65	19.42	0.061	0.28	0.81	73	898	79	14 200	2 163.2	1965	67 05 - ABAND 66 11
65	7.62	0.100	0.25	0.81	71	898	73	16 170	2 154.6	1974	78 12 - GPP
64	4.80	0.068	0.20	0.81	74	881	62	15 420	2 027.5	1976	82 12 - ABAND 83 01
64	2.50	0.080	0.35	0.81	74	881	66	15 981	2 275.8	1979	80 07 - SUSP 80 02
64	8.00	0.100	0.25	0.81	116	887	54	21 112	2 257.5	1979	83 12 - GPP
64	5.00	0.120	0.30	0.70	150	753	57	15 032	2 075.0	1984	85 07
64	9.00	0.050	0.40	0.70	177	817	51	18 540	2 478.5	1979	83 12 - ABAND 84 07
64	20.00	0.053	0.18	0.72	120	830	82	18 108	2 394.5	1984	86 01 - GPP
64	7.50	0.070	0.25	0.67	59	806	83	11 131	2 475.5	1984	86 01
243	2.13	0.150	0.36	0.89	36	834	86	25 860	2 472.5	1954	86 12 - GPP
64	6.00	0.140	0.40	0.89	36	838	86	25 714	2 524.6	1984	84 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GIROUX LAKE 066-21W5								
VIKING A TOTAL	735.0			119.0	121.0	240.0	205.0	35.0
PRIMARY AREA	99.3	0.05		5.0		5.0		
WATER FLOOD AREA	636.0	0.18	0.19	114.0	121.0	235.0		
VIKING D	64.5	0.10		6.5		6.5	3.0	3.5
GETHING A	140.0	<0.01		1.3		1.3	1.3	
CADOMIN A	113.0	0.10		11.3		11.3	4.1	7.2
GIROUXVILLE EAST 076-20W5								
DEBOLT B	225.0	0.10		22.5		22.5	7.7	14.8
GLACIER 076-11W6								
BOUNDARY A	148.0	0.15		22.2		22.2	4.8	17.4
GLADYS 020-27W4								
UPPER MANNVILLE A	92.2	<0.02		1.1		1.1	1.1	
LOWER MANNVILLE A	2 710.0	0.03		81.3		81.3	44.6	36.7
LOWER MANNVILLE B&C	77.6	<0.01		0.4		0.4	0.4	
DETRITAL A	138.0	<0.02		2.3		2.3	2.3	
RUNDLE C	1 700.0	0.10		170.0		170.0	74.9	95.1
RUNDLE E	419.0	<0.01		0.2		0.2	0.2	
GLEICHEN 022-21W4								
UPPER MANNVILLE A	47.2	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE B	44.1	0.10		4.4		4.4	1.8	2.6
GLEN PARK 049-27W4								
GLAUCONITIC A	194.0	<0.18		34.5		34.5	34.5	
GLAUCONITIC B	333.0	0.15		50.0		50.0	37.9	12.1
D-2 A	304.0	0.07		21.3		21.3	21.3	
D-3 A	4 660.0	0.72		3 350.0		3 350.0	3 127.2	222.8
D-3 B	140.0	0.40		56.0		56.0	11.6	44.4
GOLD CREEK 068-06W6								
CHARLIE LAKE B	271.0	<0.01		1.1		1.1	1.1	
CHARLIE LAKE C	84.9	0.10		8.5		8.5	5.3	3.2
CHARLIE LAKE D	182.0	0.10		18.2		18.2	1.3	16.9
DOIG A	77.0	0.15		11.6		11.6	0.6	11.0
DOIG B	276.0	0.15		41.4		41.4	0.1	41.3
DOIG C	312.0	<0.01		0.1		0.1	0.1	
GOLDEN 087-14W5								
SLAVE POINT A	8 230.0	0.45		3 700.0		3 700.0	1 983.8	1 716.2
GOLDEN SPIKE 051-27W4								
UPPER MANNVILLE A	47.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	417.0	0.10		41.7		41.7	8.2	33.5
D-2 A WATER FLOOD	2 180.0	0.11	0.07	240.0	152.0	392.0	352.2	39.8
D-2 B	356.0	0.15		53.4		53.4	49.7	3.7
D-3 A TOTAL	49 600.0			26 300.0	3 650.0	30 000.0	27 936.0	2 064.0
SOLVENT FLOOD AREA	0.0			0.0	1 590.0	1 590.0		
GAS FLOOD AREA	49 600.0	0.53	0.05	26 300.0	2 070.0	28 400.0		
D-3 B	683.0	0.40		273.0		273.0	236.7	36.3
D-3 C	425.0	0.45		191.0		191.0	173.8	17.2
GOODWIN 059-13W5								
BASAL QUARTZ A	189.0	0.10		18.9		18.9	6.5	12.4
GOOSE RIVER 067-18W5								
D-2 A	297.0	<0.01		0.9		0.9	0.9	
BEAVERHILL LAKE A TOTAL	21 040.0			3 408.0	5 424.0	8 832.0	5 960.6	2 871.4
PRIMARY AREA	237.0	<0.01		1.6		1.6		
SOLVENT FLOOD AREA	10 000.0	0.16	0.29	1 600.0	2 940.0	4 540.0		
WATER FLOOD AREA	10 800.0	0.16	0.23	1 806.0	2 484.0	4 290.0		
BEAVERHILL LAKE B	167.0	<0.09		13.8		13.8	13.8	
GORDONDALE 079-10W6								
HALFWAY A	149.0	<0.02		2.2		2.2	2.2	
HALFWAY B	918.0	0.10		91.8		91.8	20.2	71.6
HALFWAY C	1 737.0	0.10		174.0		174.0	16.6	157.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
582					71	834	56	11 620	1 376.5	1964	84 12 - GPP
192	1.00	0.110	0.44	0.84							
390	2.01	0.138	0.30	0.84							
64	1.00	0.200	0.40	0.84	71	834	48	11 137	1 330.8	1985	86 05
64	2.50	0.130	0.25	0.90	29	927	59	8 300	1 691.3	1979	79 11 - SUSP 85 06
64	1.84	0.160	0.32	0.88		922	71	15 850	1 745.5	1978	79 02 - GPP
64	3.80	0.160	0.35	0.89	38	826	41	9 212	1 118.9	1982	86 02 - GPP
64	2.50	0.210	0.45	0.80	110	834	75	17 561	1 987.8	1984	85 01
64	2.00	0.120	0.25	0.80	80	852	48	17 226	2 021.5	1979	82 08 - SUSP 84 04
192	22.39	0.120	0.30	0.75	112	849	54	16 805	2 056.9	1978	83 12 - GPP
64	2.10	0.110	0.30	0.75	112	830	54	16 468	2 054.1	1978	82 12 - SUSP 82 07
64	4.00	0.120	0.40	0.75	112	840	54	16 850	2 062.4	1978	84 12 - SUSP 84 08
320	13.00	0.070	0.27	0.73	102	849	56	19 163	2 070.1	1977	80 05
64	12.80	0.120	0.40	0.71	140	820	64	16 165	1 988.5	1978	82 12 - ABAND 83 09
64	1.30	0.140	0.50	0.81	82	841	43	10 869	1 462.0	1980	84 12 - ABAND 83 11
64	1.70	0.100	0.50	0.81	72	838	43	10 771	1 396.4	1979	83 01 - SUSP 87 02
77	2.74	0.149	0.26	0.83	60	881	59	13 240	1 408.5	1953	61 09 - ABAND 71 05
82	3.64	0.170	0.20	0.82	44	881	60	7 170	1 428.9	1965	84 12 - GPP
239	4.63	0.047	0.20	0.73	113	820	67	13 240	1 691.3	1952	64 04 - SUSP 69 12
173	39.32	0.097	0.07	0.76	106	834	74	15 200	1 921.8	1951	73 05
64	4.00	0.090	0.20	0.76	99	836	74	13 391	1 912.0	1983	84 05
64	2.80	0.210	0.10	0.80	100	815	75	19 302	2 103.4	1983	85 09 - SUSP 85 09
64	3.00	0.080	0.30	0.79	100	795	75	19 510	2 185.5	1984	84 07
64	3.89	0.125	0.27	0.80	100	827	74	20 425	2 143.0	1985	86 09
64	1.80	0.110	0.24	0.80	78	820	74	20 988	2 155.9	1985	86 03
64	10.30	0.083	0.37	0.80	68	856	75	18 846	2 190.7	1985	85 07 - SUSP 86 06
64	7.80	0.120	0.35	0.80	68	824	74	19 328	2 136.1	1984	85 08 - SUSP 85 11
2 146	9.62	0.060	0.27	0.91	32	829	38	16 660	1 599.3	1971	84 12
16	3.60	0.160	0.35	0.80	60	905	50	11 265	1 269.5	1976	84 03 - SUSP 84 09
128	5.12	0.130	0.41	0.83	58	881	45	11 841	1 313.8	1983	86 05
609	9.85	0.057	0.15	0.75	87	839	61	12 270	1 542.9	1952	82 12 - GPP
173	3.93	0.078	0.14	0.78	87	839	61	12 410	1 556.9	1951	73 12 - GPP
590					73	839	67	14 450	1 728.8	1949	86 06
											- SOLVENT FLOOD TERMINATED 76 02
590	135.64	0.087	0.11	0.80							
231	6.10	0.068	0.12	0.81	73	839	77	14 340	1 810.2	1950	86 12
158	5.82	0.068	0.15	0.80	73	839	67	14 480	1 827.0	1951	85 12 - GPP
64	5.26	0.120	0.40	0.78	90	860	61	13 800	1 650.0	1973	85 11
65	9.14	0.080	0.15	0.74	113	825	114	28 460	2 372.6	1965	71 05 - ABAND 69 08
3 568					99	820	110	29 300	2 810.3	1963	87 03
65	7.35	0.082	0.19	0.75							
1 152	17.66	0.082	0.19	0.74							
2 351	9.35	0.082	0.19	0.74							
130	3.66	0.060	0.24	0.77	99	820	104	36 200	2 857.2	1965	67 02 - SUSP 76 03
65	4.88	0.090	0.27	0.72	129	815	67	16 880	1 747.1	1976	83 12 - SUSP 80 12
192	8.78	0.105	0.36	0.81	76	830	66	17 046	1 823.9	1980	85 12
576	5.40	0.100	0.31	0.81	76	832	66	16 685	1 875.6	1980	87 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GORDONDALE 079-10W6 (CONTINUED)								
HALFWAY D	137.0	0.10		13.7		13.7	11.5	2.2
HALFWAY F	38.2	0.10		3.8		3.8	2.4	1.4
HALFWAY J	205.0	0.10		20.5		20.5		20.5
GRANDE PRAIRIE 073-06W6								
CHARLIE LAKE B	78.7	0.15		11.8		11.8	7.7	4.1
CHARLIE LAKE C	74.0	0.10		7.4		7.4	3.7	3.7
CHARLIE LAKE D	185.0	0.15		27.8		27.8	1.3	26.5
CHARLIE LAKE E	54.2	0.15		8.1		8.1	6.5	1.6
HALFWAY A	4 000.0	0.12		480.0		480.0	159.2	320.8
HALFWAY F	11.4	0.10		1.1		1.1	0.3	0.8
HALFWAY H	130.0	0.10		13.0		13.0	1.7	11.3
HALFWAY I	128.0	0.10		12.8		12.8	0.2	12.6
HALFWAY J	66.3	0.10		6.6		6.6	0.4	6.2
HALFWAY K	144.0	0.10		14.4		14.4	2.5	11.9
HALFWAY L	37.5	0.15		5.6		5.6	0.3	5.3
GUNN 056-03W5								
LOWER MANNVILLE A	158.0	<0.01		1.4		1.4	1.4	
HACKETT 036-18W4								
UPPER MANNVILLE A	1 150.0	0.09		103.0	ERSD	103.0	63.9	39.1
UPPER MANNVILLE D	238.0	<0.01		0.1		0.1	0.1	
HALKIRK 038-16W4								
UPPER MANNVILLE B	82.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE D	1 405.0	0.10		141.0		141.0	13.5	127.5
UPPER MANNVILLE E	202.0	0.10		20.2		20.2	2.8	17.4
UPPER MANNVILLE G	140.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE I WATER FLOOD	5 800.0	<0.17	0.23	960.0	1 360.0	2 320.0	202.7	2 117.3
UPPER MANNVILLE J	960.0	0.10		96.0		96.0	6.3	89.7
UPPER MANNVILLE K	323.0	0.10		32.3		32.3	5.9	26.4
LOWER MANNVILLE F	1 160.0	0.10		116.0		116.0	49.7	66.3
LOWER MANNVILLE J	93.3	0.15		14.0		14.0	9.4	4.6
LOWER MANNVILLE L	108.0	0.10		10.8		10.8	2.2	8.6
LOWER MANNVILLE M	115.0	0.10		11.5		11.5	1.7	9.8
CAMROSE A	203.0	0.25		50.8		50.8	3.2	47.6
CAMROSE B	304.0	0.25		76.0		76.0	9.8	66.2
CAMROSE C	100.0	0.25		25.0		25.0	7.6	17.4
CAMROSE D	85.2	0.20		17.0		17.0	0.4	16.6
HALKIRK EAST 040-13W4								
VIKING A	273.0	0.10		27.3		27.3	8.0	19.3
VIKING B	231.0	0.10		23.1		23.1	7.9	15.2
VIKING C	52.9	<0.01		0.2		0.2	0.2	
VIKING D	877.0	0.02		17.5		17.5	6.5	11.0
VIKING E	91.2	0.10		9.1		9.1	2.7	6.4
VIKING F	86.4	<0.01		0.1		0.1	0.1	
VIKING G	49.1	0.10		4.9		4.9	0.3	4.6
GLAUCONITIC A	743.0	0.10		74.3		74.3	1.8	72.5
GLAUCONITIC B	206.0	0.02		4.1		4.1	0.3	3.8
ELLERSLIE A	2 400.0	0.10		240.0		240.0	93.2	146.8
ELLERSLIE B	1 600.0	0.10		160.0		160.0	67.2	92.8
ELLERSLIE C	279.0	0.10		27.9		27.9	0.8	27.1
HAMELIN CREEK 080-06W6								
TRIASSIC A	728.0	0.25		182.0		182.0	52.9	129.1
HANNA 031-14W4								
UPPER MANNVILLE B	105.0	0.10		10.5		10.5	2.9	7.6
LOWER MANNVILLE A	297.0	<0.01		0.3		0.3	0.3	
HARMATTAN EAST 032-03W5								
CARDIUM A	159.0	<0.01		0.2		0.2	0.2	
CARDIUM B	152.0	<0.01		0.2		0.2	0.2	
CARDIUM C	25.2	0.10		2.5		2.5	1.2	1.3
CARDIUM D	258.0	0.03		7.7		7.7	2.6	5.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
128	2.95	0.080	0.37	0.72	112	814	70	15 070	1 628.1	1984	84 11
64	2.15	0.065	0.39	0.70	130	814	60	10 896	1 638.3	1985	86 04
64	3.70	0.130	0.18	0.81	76	817	66		1 554.2	1986	87 12
64	1.70	0.120	0.10	0.67	144	835	58	19 119	1 921.5	1984	87 10
64	2.10	0.106	0.20	0.65	168	827	64	8 346	1 925.5	1979	80 01
64	3.90	0.120	0.12	0.70	140	823	68	8 166	1 947.7	1985	87 10
64	1.30	0.100	0.07	0.70	122	840	72	19 686	1 957.7	1983	84 07 - GPP
900	7.00	0.106	0.16	0.71	129	798	73	16 788	1 905.6	1982	84 02
64	1.00	0.050	0.50	0.71	129	797	73	15 099	1 901.9	1983	84 01
64	3.81	0.107	0.30	0.71	129	825	73	15 866	1 921.4	1984	85 02
64	2.70	0.120	0.13	0.71	129	797	73	16 905	1 922.8	1985	85 07 - SUSP 86 06
64	2.00	0.090	0.19	0.71	129	807	73	17 461	1 962.0	1985	85 10
64	4.51	0.110	0.36	0.71	129	797	73	16 356	1 898.8	1984	85 08
64	2.00	0.055	0.18	0.65	160	826	65	17 676	1 988.3	1985	86 01
64	3.10	0.190	0.40	0.70	112	827	60	10 344	1 348.2	1978	84 01 - ABAND 86 10
425	3.89	0.180	0.54	0.84	44	871	39	8 170	1 177.2	1974	86 02 - GPP
64	3.00	0.220	0.33	0.84	54	871	40	8 680	1 236.9	1984	85 07 - ABAND 86 12
64	1.23	0.200	0.30	0.75	51	874	35	8 377	1 183.5	1977	82 12 - ABAND 84 11
128	7.04	0.250	0.22	0.80	64	856	45	8 852	1 196.7	1984	87 07
64	3.80	0.167	0.38	0.80	55	873	38	8 098	1 187.7	1984	85 10 - GPP
64	2.90	0.190	0.47	0.75	110	870	30	8 172	1 185.5	1984	85 10 - ABAND 86 10
691	6.45	0.220	0.28	0.82	66	868	37	9 359	1 237.5	1985	87 09
205	3.80	0.220	0.30	0.80	64	868	48	9 318	1 205.6	1985	87 08
64	4.50	0.200	0.30	0.80	61	867	35	9 371	1 231.5	1986	86 08
448	3.39	0.180	0.47	0.80	98	843	37	8 910	1 201.5	1978	84 05 - GPP
64	1.20	0.220	0.31	0.80	74	867	37	8 856	1 247.1	1986	87 12
64	2.20	0.160	0.40	0.80	66	868	36	8 963	1 228.8	1986	87 01
64	2.00	0.160	0.30	0.80	74	867	37	9 092	1 225.1	1986	87 02
64	7.00	0.070	0.19	0.80	36	868	53	9 737	1 395.5	1984	86 02 - GPP
64	9.10	0.075	0.13	0.80	36	878	53	10 153	1 431.1	1984	85 10
22	10.36	0.061	0.20	0.90	84	882	53	9 883	1 376.9	1983	85 10
64	3.40	0.067	0.35	0.90		845	42	9 572	1 369.0	1985	86 05 - SUSP 86 11
192	1.55	0.170	0.42	0.93	26	850	33	5 909	829.6	1982	82 11 - GPP
192	1.42	0.160	0.43	0.93	27	850	33	6 532	836.8	1982	86 11 - GPP
64	0.90	0.170	0.40	0.90	37	854	33	5 757	828.5	1982	82 11 - SUSP 83 12
192	3.70	0.214	0.38	0.93				5 978	829.0	1973	85 12 - GPP
64	2.00	0.150	0.50	0.95	24	858	33	5 497	834.5	1982	83 05 - GPP
64	2.00	0.150	0.50	0.90	37	858	33	5 880	834.2	1982	83 05 - SUSP 83 07
64	1.00	0.150	0.45	0.93	22	838	38	5 606	829.8	1984	85 02 - SUSP 87 02
128	5.76	0.160	0.30	0.90	37	880	35	7 450	1 030.9	1983	83 12 - SUSP 86 12
128	2.00	0.190	0.47	0.80	52	855	39	7 200	973.3	1984	86 12 - SUSP 87 02
257	5.30	0.240	0.18	0.90	42	896	32	7 424	989.8	1982	86 04
166	5.40	0.240	0.18	0.90	43	870	35	6 820	997.2	1983	86 04
64	2.50	0.260	0.21	0.85	66	885	31	7 215	1 046.4	1984	84 12
192	3.02	0.190	0.25	0.88	50	835	50	11 322	1 186.0	1980	84 02
64	2.00	0.180	0.50	0.91	37	853	31	8 008	1 136.5	1981	82 06 - GPP
65	3.05	0.250	0.30	0.86	52	865	31	9 310	1 174.4	1970	72 07 - ABAND 72 05
64	3.90	0.100	0.15	0.75	35	806	64	15 292	1 938.2	1979	83 12 - ABAND 84 05
64	4.80	0.141	0.56	0.80	83	815	59	16 170	2 023.5	1979	83 12 - SUSP 81 11
64	0.90	0.080	0.30	0.78	80	851	61	16 990	2 051.9	1983	83 07
64	4.00	0.150	0.15	0.79	79	785	61	16 550	1 999.0	1981	86 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HARMATTAN EAST 032-03W5 (CONTINUED)								
CARDIUM E	74.9	0.05		3.7		3.7	0.8	2.9
VIKING C	243.0	0.10		24.3		24.3	7.0	17.3
VIKING E	6 530.0	0.11		759.8	ERSD	759.8	577.0	182.8
VIKING J	77.5	<0.01		0.3		0.3	0.3	
VIKING K	106.0	0.10		10.6		10.6	0.6	10.0
BLAIRMORE	288.0	<0.09		24.8		24.8	24.8	
NORDEGG A	136.0	0.05		6.8		6.8	1.2	5.6
RUNDLE TOTAL	32 890.0			9 847.0	2 289.0	12 140.0	10 647.4	1 492.6
PRIMARY AREA	186.0	0.20		37.2		37.2		
WATER FLOOD AREA	32 700.0	0.30	0.07	9 810.0	2 289.0	12 100.0		
RUNDLE D	308.0	0.10		30.8		30.8	6.4	24.4
HARMATTAN-ELKTON 031-04W5								
BELLY RIVER A	137.0	<0.01		0.1		0.1		0.1
RUNDLE B	113.0	<0.08		8.9		8.9	8.9	
RUNDLE C	29 900.0	0.34		10 200.0		10 200.0	9 595.8	604.2
HARO 106-08W6								
KEG RIVER A	370.0	<0.01		2.0		2.0	2.0	
HAYNES 038-24W4								
D-2 A & D-3 A	1 866.0	0.20		373.0		373.0	294.9	78.1
HERCULES 051-23W4								
WABAMUN A	225.0	0.10		22.5		22.5	6.1	16.4
HIGHVALE 051-04W5								
CARDIUM C TOTAL	1 740.0			174.0	213.0	387.0	137.9	249.1
PRIMARY AREA	324.0	0.10		32.4		32.4		
WATER FLOOD AREA	1 420.0	0.10	0.15	142.0	213.0	355.0		
CARDIUM D	95.0	0.10		9.5		9.5	2.8	6.7
CARDIUM G	236.0	0.10		23.6		23.6	1.7	21.9
LOWER MANNVILLE A TOTAL	5 420.0			432.0	440.0	872.0	279.6	592.4
PRIMARY AREA	2 970.0	0.08		237.0		237.0		
WATER FLOOD AREA	2 450.0	0.08	0.18	195.0	440.0	635.0		
LOWER MANNVILLE B	172.0	0.10		17.2		17.2	11.6	5.6
LOWER MANNVILLE D	102.0	0.10		10.2		10.2	4.6	5.6
LOWER MANNVILLE I	131.0	0.08		10.5		10.5	3.4	7.1
LOWER MANNVILLE J	102.0	0.10		10.2		10.2	3.3	6.9
LOWER MANNVILLE P	244.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE R	318.0	0.10		31.8		31.8	12.6	19.2
LOWER MANNVILLE S	135.0	0.10		13.5		13.5	2.3	11.2
LOWER MANNVILLE T	201.0	0.05		10.1		10.1	1.7	8.4
LOWER MANNVILLE U	1 161.0	0.10		116.0		116.0	11.9	104.1
BANFF H & NORDEGG D	7 110.0	0.10		711.0		711.0	92.2	618.8
BANFF A	2 900.0	0.12		350.0		350.0	127.9	222.1
BANFF B	287.0	0.05		14.4		14.4	6.2	8.2
BANFF E	350.0	<0.01		2.7		2.7	2.7	
BANFF F	375.0	<0.01		1.0		1.0	1.0	
BANFF G	553.0	<0.01		0.1		0.1	0.1	
BANFF K	80.9	<0.01		0.1		0.1	0.1	
BANFF M	536.0	0.04		21.4		21.4	8.7	12.7
BANFF P	371.0	0.12		44.5		44.5	20.4	24.1
BANFF R	265.0	0.10		26.5		26.5	3.8	22.7
BANFF S	208.0	0.10		20.8		20.8	1.7	19.1
HILLSDOWN 037-25W4								
D-2 A	263.0	0.05		13.2		13.2	7.6	5.6
D-2 B	308.0	0.15		46.2		46.2	34.7	11.5
D-2 C	198.0	0.15		29.7		29.7		29.7
D-3 A	112.0	0.30		33.6		33.6	1.3	32.3
HOMEGLEN-RIMBEY 043-01W5								
ELLERSLIE A	156.0	<0.01		0.1		0.1	0.1	
D-3	14 900.0	0.08		1 190.0		1 190.0	1 153.6	36.4
D-3 B	700.0	0.50		350.0		350.0	53.9	296.1
D-3 C	321.0	0.20		64.2		64.2	3.9	60.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.50	0.075	0.20	0.78	80	850	61	15 580	1 978.9	1982	86 05
64	8.30	0.077	0.30	0.85	60	844	67	17 131	2 350.6	1981	82 06
4 873	2.59	0.096	0.35	0.83	58	840	56	10 225	2 189.2	1982	87 02
64	3.88	0.080	0.50	0.78	100	840	51	9 000	2 200.6	1982	83 05 - SUSP 84 03
64	4.99	0.078	0.39	0.70	160	790	67	10 950	2 369.8	1982	83 11
65	5.49	0.150	0.17	0.65	177	834	77	28 960	2 451.2	1961	61 09 - SUSP 73 07
64	7.70	0.075	0.45	0.67	170	820	90	24 850	2 461.6	1980	85 05 - SUSP 86 04
4 711					171	834	85	23 650	2 672.5	1957	87 03
64	6.69	0.080	0.19	0.67							
4 647	9.02	0.137	0.15	0.67							
64	14.10	0.060	0.15	0.67	171	834	85	22 867	2 409.9	1984	84 02
64	3.19	0.123	0.40	0.91	32	839	46	6 077	1 670.3	1985	85 11 - ABAND 86 01
65	2.77	0.126	0.23	0.65	158	825	93	23 650	2 714.9	1964	74 02 - ABAND 71 12
4 491	9.56	0.128	0.20	0.68	172	844	94	25 100	2 782.2	1955	83 12 - GPP
64	16.90	0.060	0.08	0.62	193	807	84	17 628	2 000.3	1982	83 05 - ABAND 86 03
1 156	7.09	0.044	0.25	0.69	148	825	61	16 310	1 805.4	1968	86 11
64	7.90	0.080	0.36	0.87	52	870	47	8 913	1 256.7	1980	81 08
1 270					22	871	39	15 391	1 141.7	1980	86 05
307	1.00	0.140	0.19	0.93							
963	1.24	0.150	0.15	0.93							
64	1.70	0.110	0.15	0.93	22	871	39	15 392	1 148.5	1981	83 01 - SUSP 87 02
64	3.30	0.150	0.20	0.93	28	874	38	12 899	1 090.9	1984	84 10 - SUSP 87 02
3 106					84	870	53	17 305	1 591.0	1977	85 04
1 730	2.12	0.150	0.34	0.82							
1 376	2.19	0.150	0.34	0.82							
64	3.60	0.140	0.35	0.82	90	855	54	16 962	1 583.0	1979	87 12
64	1.85	0.150	0.30	0.82	86	870	56	16 168	1 586.5	1978	81 10
64	1.80	0.180	0.23	0.82	84	865	43	14 959	1 516.9	1980	81 08 - SUSP 87 02
64	2.50	0.120	0.35	0.82	68	862	50	16 484	1 625.8	1982	83 02 - SUSP 87 02
64	5.95	0.130	0.40	0.82	82	882	56	14 416	1 597.0	1983	84 10 - ABAND 85 05
128	2.58	0.170	0.31	0.82	82	882	56	15 770	1 571.5	1985	85 07
64	2.40	0.165	0.35	0.82	82	870	56	16 730	1 567.2	1977	85 12 - GPP
64	3.00	0.150	0.15	0.82	82	882	56	14 087	1 492.2	1985	87 12
192	5.29	0.170	0.18	0.82	82	850	56	15 514	1 508.0	1985	86 11
1 114	6.96	0.200	0.42	0.79	102	869	54	17 506	1 623.4	1983	87 04
372	7.55	0.180	0.30	0.82	117	870	60	16 990	1 588.3	1978	84 04
64	4.05	0.220	0.33	0.75	117	870	60	16 840	1 580.1	1977	80 01
64	5.00	0.190	0.30	0.82	89	870	60	16 899	1 613.8	1978	81 09 - ABAND 81 05
64	8.00	0.122	0.25	0.80	88	870	57	18 550	1 627.5	1981	85 12 - ABAND 85 12
64	5.40	0.250	0.20	0.80	88	870	57	14 500	1 610.3	1981	82 04 - ABAND 82 01
64	2.00	0.150	0.48	0.81	88	866	56	15 107	1 494.9	1983	83 10 - ABAND 83 09
64	7.42	0.215	0.36	0.82	117	870	60	16 010	1 577.9	1977	85 05
64	4.59	0.220	0.30	0.82	117	870	60	16 208	1 557.5	1977	85 05
64	5.56	0.164	0.44	0.81	112	889	57	16 700	1 575.7	1981	82 03 - SUSP 87 02
64	3.72	0.152	0.30	0.82	10	865	27	17 290	1 633.0	1979	79 10 - SUSP 87 02
128	6.52	0.060	0.28	0.73	141	826	64	15 396	1 972.6	1980	84 12 - GPP
192	6.19	0.050	0.30	0.74	158	828	77	18 330	2 016.0	1973	81 12 - GPP
64	10.90	0.058	0.30	0.70	130	815	69		2 061.4	1985	87 11
64	4.00	0.080	0.17	0.66	181	808	21	15 159	2 090.9	1985	86 05
64	2.70	0.150	0.25	0.80	60	898	53	11 721	1 752.0	1980	83 12 - SUSP 81 11
4 563	7.56	0.077	0.15	0.66	165	811	83	19 550	2 415.5	1953	86 12 - GPP
105	12.20	0.100	0.30	0.78	159	810	83	10 985	2 390.4	1983	85 02
64	12.60	0.090	0.33	0.66	160	820	83	18 481	2 389.5	1985	86 03 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HOOKER 015-29W4								
JURASSIC A	95.3	0.10		9.5		9.5	6.1	3.4
HUSSAR 025-20W4								
GLAUCONITIC A	6 980.0	<0.47		3 270.0		3 270.0	3 027.1	242.9
GLAUCONITIC B	1 300.0	0.03		39.0		39.0	29.8	9.2
GLAUCONITIC C	37.3	<0.06		2.1		2.1	2.1	
GLAUCONITIC E	842.0	0.07		58.9		58.9	46.8	12.1
GLAUCONITIC F	74.8	<0.06		4.4		4.4	4.4	
GLAUCONITIC G	926.0	0.06		55.6		55.6	51.0	4.6
GLAUCONITIC H	108.0	<0.08		8.1		8.1	8.1	
GLAUCONITIC J	263.0	0.10		26.3		26.3	13.0	13.3
GLAUCONITIC K	119.0	<0.04		4.6		4.6	4.6	
GLAUCONITIC U	155.0	0.15		23.3		23.3	18.3	5.0
GLAUCONITIC X	227.0	0.10		22.7		22.7	11.5	11.2
GLAUCONITIC BB	636.0	0.10		63.6		63.6	47.0	16.6
GLAUCONITIC DD	219.0	0.03		6.6		6.6	5.8	0.8
GLAUCONITIC SS	173.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC VV	216.0	0.10		21.6		21.6	7.6	14.0
GLAUCONITIC YY	221.0	0.10		22.1		22.1	2.8	19.3
GLAUCONITIC FFF	32.6	0.10		3.3		3.3	2.0	1.3
GLAUCONITIC NNN	1 190.0	0.10		119.0		119.0	7.7	111.3
GLAUCONITIC RRR	364.0	0.01		3.6		3.6	0.8	2.8
GLAUCONITIC SSS	1 170.0	0.10		117.0		117.0	79.0	38.0
GLAUCONITIC TTT	55.3	0.10		5.5		5.5	2.9	2.6
GLAUCONITIC VVV	71.9	<0.01		0.1		0.1	0.1	
GLAUCONITIC B2B	71.8	0.10		7.2		7.2	1.5	5.7
GLAUCONITIC H2H	104.0	0.10		10.4		10.4	0.8	9.6
OSTRACOD C	79.5	0.02		1.6		1.6	1.6	
OSTRACOD H	49.3	0.01		0.5		0.5	0.5	
OSTRACOD P	125.0	<0.10		11.7		11.7	11.7	
OSTRACOD X	158.0	<0.04		4.9		4.9	4.0	0.9
OSTRACOD BB	54.6	<0.01		0.3		0.3	0.3	
OSTRACOD CC	111.0	0.15		16.7		16.7	6.9	9.8
OSTRACOD FF	88.7	0.10		8.9		8.9	2.8	6.1
OSTRACOD GG	55.7	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE A	105.0	<0.04		3.6		3.6	3.6	
BASAL MANNVILLE C	222.0	0.10		22.2		22.2	13.9	8.3
BASAL MANNVILLE E	215.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE G	226.0	<0.01		0.4		0.4	0.4	
BASAL MANNVILLE H	284.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE L	35.4	<0.08		2.7		2.7	2.7	
BASAL MANNVILLE M	300.0	0.10		30.0		30.0	27.3	2.7
BASAL MANNVILLE N	318.0	0.08		25.4		25.4	19.9	5.5
BASAL MANNVILLE O WATER FLOOD	1 910.0	0.10	0.05	191.0	95.5	287.0	188.5	98.5
BASAL MANNVILLE P	248.0	<0.05		12.3		12.3	12.3	
BASAL MANNVILLE Q	953.0	0.06		57.2		57.2	49.7	7.5
BASAL MANNVILLE Y	175.0	0.10		17.5		17.5	14.0	3.5
BASAL MANNVILLE KK	74.7	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE OO	488.0	0.10		48.8		48.8	24.0	24.8
BASAL MANNVILLE QQ	113.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE SS	651.0	<0.01		1.9		1.9	1.9	
BASAL MANNVILLE UU	71.7	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE I&Z	276.0	0.12		33.1		33.1	30.5	2.6
BASAL MANNVILLE AAA	1 228.0	0.10		122.8		122.8	3.3	119.5
BASAL QUARTZ B	221.0	0.10		22.1		22.1	3.0	19.1
PEKISKO B	143.0	<0.01		0.1		0.1	0.1	
HUTCH 112-22W5								
SLAVE POINT A	324.0	0.20		64.8		64.8	0.9	63.9
SLAVE POINT B	608.0	0.20		122.0		122.0	1.4	120.6
HYTHE 073-09W6								
HALFWAY A	409.0	0.10		40.9		40.9	7.1	33.8
HALFWAY B	119.0	0.10		11.9		11.9	5.0	6.9
HALFWAY C	330.0	0.10		33.0		33.0	4.6	28.4
HALFWAY D	121.0	0.10		12.1		12.1	1.4	10.7
HALFWAY E	266.0	0.10		26.6		26.6	0.9	25.7
HALFWAY F	419.0	0.10		41.9		41.9	5.5	36.4
INNISFAIL 034-01W5								
BELLY RIVER A	844.0	0.05		42.2		42.2	7.8	34.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.01	0.105	0.15	0.83	120	880	72	27 714	2 790.8	1980	84 09
675	7.07	0.210	0.14	0.81	82	844	46	10 400	1 454.2	1957	67 02
192	5.38	0.210	0.25	0.81	81	860	46	10 070	1 424.6	1959	79 12 - GPP
16	1.83	0.200	0.21	0.80	82	860	45	10 140	1 425.9	1958	64 04 - SUSP 63 01
90	6.10	0.225	0.16	0.81	78	849	41	10 000	1 367.0	1959	79 12 - GPP
32	1.83	0.200	0.21	0.80	83	860	40	10 380	1 341.7	1959	64 04 - ABAND 68 07
209	2.96	0.221	0.23	0.88	80	860	41	9 890	1 369.2	1961	83 12 - GPP
21	3.70	0.210	0.18	0.80	80	860	44	10 000	1 407.3	1964	79 01 - ABAND 78 11
192	1.86	0.140	0.36	0.82	80	838	44	10 418	1 428.6	1977	82 05 - GPP
65	1.43	0.200	0.20	0.80	80	860	43	9 960	1 423.4	1959	83 12 - SUSP 76 12
163	0.91	0.150	0.14	0.81	80	860	36	10 070	1 399.9	1965	87 12 - GPP
65	2.74	0.210	0.25	0.81	62	839	46	10 030	1 433.5	1974	77 04 - GPP
177	3.05	0.210	0.30	0.80	82	844	44	10 330	1 416.4	1965	69 08
64	3.07	0.170	0.18	0.80	80	860	43	9 790	1 396.3	1969	82 12 - GPP
64	3.00	0.150	0.25	0.80	66	857	40	10 240	1 408.0	1979	81 12 - SUSP 83 12
64	4.40	0.160	0.40	0.80	88	860	49	10 741	1 461.8	1978	80 02 - GPP
128	2.75	0.140	0.44	0.80	72	849	43	10 513	1 407.3	1979	83 03 - SUSP 87 02
64	0.70	0.140	0.35	0.80	86	847	43	10 441	1 403.7	1980	82 03 - SUSP 87 01
128	13.10	0.140	0.38	0.82	56	856	45	9 795	1 392.0	1979	85 11
64	5.50	0.210	0.40	0.82	56	857	45	7 970	1 485.3	1960	85 12
708	1.53	0.202	0.33	0.80	86	860	44	9 980	1 428.0	1960	83 06
64	1.00	0.180	0.40	0.80	86	860	44	9 915	1 447.3	1979	83 06
64	1.40	0.150	0.34	0.81	79	847	46	11 506	1 380.2	1980	84 01 - SUSP 84 06
64	1.50	0.170	0.45	0.80	82	844	43	10 292	1 386.1	1984	84 12
64	2.00	0.190	0.48	0.82	56	857	45	9 963	1 426.0	1980	86 10
64	0.76	0.230	0.10	0.79	82	860	54	10 270	1 441.7	1959	68 03 - ABAND 61 09
16	2.44	0.200	0.21	0.79	82	860	46	10 270	1 397.2	1959	68 03 - ABAND 63 04
64	1.23	0.230	0.15	0.81	62	860	49	10 170	1 398.7	1965	81 12 - SUSP 80 03
65	2.13	0.250	0.42	0.79	64	865	37	10 100	1 291.7	1977	78 12
64	1.50	0.160	0.55	0.79	80	857	54	9 808	1 469.0	1980	83 01 - ABAND 82 10
64	2.00	0.180	0.40	0.80	56	857	41	9 358	1 399.9	1980	87 12
64	1.30	0.180	0.26	0.80	84	841	40	9 955	1 430.4	1984	85 05
64	1.00	0.200	0.50	0.87	50	854	38	9 784	1 279.5	1984	85 07 - ABAND 85 12
33	2.13	0.220	0.14	0.80	82	849	46	10 340	1 429.8	1957	68 03 - ABAND 63 07
64	2.74	0.200	0.21	0.80	82	849	47	10 340	1 467.3	1957	71 03 - GPP
32	6.40	0.168	0.23	0.80	82	849	44	10 140	1 418.5	1959	64 04 - SUSP 63 01
33	5.79	0.200	0.25	0.80	82	849	43	10 340	1 399.9	1960	64 04 - SUSP 62 03
32	7.32	0.200	0.25	0.80	82	849	43	10 000	1 417.3	1960	68 03 - ABAND 61 12
16	1.83	0.200	0.25	0.80	82	849	46	10 310	1 499.3	1958	77 07 - SUSP 83 12
146	2.16	0.170	0.30	0.80	82	849	44	10 170	1 417.9	1964	82 12 - GPP
133	2.13	0.200	0.30	0.80	82	849	42	10 200	1 421.3	1964	83 12 - GPP
357	6.13	0.176	0.38	0.80	81	849	44	10 100	1 414.6	1964	84 12 - GPP
65	4.57	0.150	0.30	0.80	82	849	44	10 140	1 426.2	1964	83 12 - SUSP 81 04
317	2.32	0.200	0.19	0.80	82	849	46	10 650	1 457.9	1959	82 12 - GPP
65	2.32	0.200	0.26	0.79	82	849	42	9 860	1 426.8	1959	86 12 - GPP
65	1.83	0.120	0.35	0.81	84	849	44	10 200	1 409.7	1969	70 08 - SUSP 70 01
80	9.17	0.160	0.48	0.80	61	877	37	10 180	1 440.9	1977	84 12
64	2.00	0.170	0.35	0.80	82	840	43	11 256	1 520.0	1979	83 12 - SUSP 81 04
64	11.50	0.170	0.35	0.80	63	865	39	8 727	1 499.7	1980	85 12 - SUSP 84 09
64	2.00	0.140	0.50	0.80	84	857	42	10 676	1 481.9	1980	84 12 - SUSP 83 08
50	4.78	0.190	0.24	0.80	84	849	38	10 340	1 441.7	1955	83 12 - GPP
128	12.46	0.150	0.41	0.87	52	861	49	9 995	1 417.3	1985	86 08
64	4.80	0.180	0.50	0.80	70	870	30	9 736	1 335.8	1981	83 02
64	5.00	0.080	0.32	0.82	75	854	47	10 169	1 441.5	1980	81 10 - ABAND 83 02
64	12.50	0.060	0.25	0.90	28	865	56	4 300	1 128.2	1985	86 03
64	18.57	0.072	0.21	0.90	42	883	40	6 700	1 126.8	1986	86 08
128	7.14	0.090	0.28	0.69	149	829	64	22 263	2 260.5	1981	83 03 - GPP
64	5.50	0.063	0.20	0.67	155	825	62	21 888	2 203.0	1978	82 12 - GPP
128	5.36	0.093	0.25	0.69	250	827	75	22 360	2 178.8	1981	85 05
64	5.45	0.080	0.36	0.68	188	830	62	22 112	2 231.0	1979	86 02 - GPP
64	10.84	0.073	0.24	0.69	149	826	64	22 042	2 221.9	1985	87 05
64	11.62	0.109	0.25	0.69	149	823	64	22 125	2 254.3	1986	87 08
128	9.08	0.150	0.45	0.88	36	816	36	5 393	1 208.5	1982	86 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
INNISFAIL 034-01W5 (CONTINUED)								
BELLY RIVER B	267.0	0.10		26.7		26.7	0.2	26.5
BELLY RIVER C	590.0	0.10		59.0		59.0	1.9	57.1
BLAIRMORE	88.5	<0.06		4.9		4.9	4.9	
D-3	19 700.0	0.65		12 800.0		12 800.0	11 706.1	1 093.9
IRON SPRINGS 011-20W4								
BOW ISLAND A	50.4	0.10		5.0		5.0	4.3	0.7
JAYAR 062-03W6								
DUNVEGAN A	3 450.0	0.10		345.0		345.0	112.0	233.0
DUNVEGAN B	233.0	0.10		23.3		23.3	12.9	10.4
JOARCAM 048-21W4								
VIKING TOTAL	40 000.0			15 100.0	2 610.0	17 700.0	15 924.0	1 776.0
PRIMARY AREA	14 200.0	0.38		5 400.0		5 400.0		
WATER FLOOD AREA	24 000.0	<0.37	0.10	8 980.0	2 560.0	11 500.0		
GAS CYCLING AREA	1 800.0	0.40	0.03	720.0	54.0	774.0		
VIKING C	115.0	0.05		5.8		5.8	2.3	3.5
WABAMUN A	146.0	<0.01		0.2		0.2	0.2	
JOFFRE 038-26W4								
VIKING TOTAL	14 800.0			2 490.0	3 670.0	6 160.0	5 794.5	365.5
PRIMARY AREA	325.0	0.15		48.0		48.0		
WATER FLOOD AREA	14 500.0	<0.17	0.26	2 440.0	3 670.0	6 110.0		
VIKING B	380.0	0.30		114.0		114.0	101.7	12.3
VIKING C	130.0	0.05		6.5		6.5	2.5	4.0
VIKING D WATER FLOOD	340.0	0.15	0.10	51.0	34.0	85.0	31.2	53.8
VIKING E	123.0	0.15		18.5		18.5	4.8	13.7
BLAIRMORE A	192.0	<0.04		5.8		5.8	5.8	
BLAIRMORE B	304.0	0.13		39.4		39.4	32.8	6.6
BLAIRMORE F	76.3	0.10		7.6		7.6	2.5	5.1
BLAIRMORE L	37.9	0.10		3.8		3.8	1.7	2.1
D-2 TOTAL	26 900.0			8 040.0	1 600.0	9 640.0	6 979.4	2 660.6
PRIMARY AREA	253.0	0.15		38.0		38.0		
WATER FLOOD AREA	26 600.0	0.30	0.06	8 000.0	1 600.0	9 600.0		
D-3 A	30.3	0.10		3.0		3.0	1.3	1.7
D-3 B	2 061.0	0.40		825.0		825.0	115.6	709.4
D-3 C	223.0	0.40		89.2		89.2	0.3	88.9
JOHNSON 017-14W4								
DETRITAL A	13.9	<0.02		0.2		0.2	0.2	
JOSEPHINE 083-09W6								
KISKATINAW B	149.0	<0.01		1.1		1.1	1.1	
JUDY CREEK 063-11W5								
VIKING A	6 000.0	0.15		900.0		900.0	712.1	187.9
VIKING D	307.0	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE A TOTAL	130 000.0			20 800.0	37 200.0	58 000.0	45 659.6	12 340.4
SOLVENT FLOOD AREA	37 100.0	0.16	0.35	5 940.0	13 100.0	19 000.0		
WATER FLOOD AREA	92 900.0	0.16	0.26	14 900.0	24 100.0	39 000.0		
BEAVERHILL LAKE B TOTAL	41 300.0			8 260.0	10 680.0	18 940.0	15 297.1	3 642.9
SOLVENT FLOOD AREA	3 250.0	0.20	0.36	650.0	1 170.0	1 820.0		
WATER FLOOD AREA	38 050.0	0.20	0.25	7 610.0	9 512.0	17 120.0		
BEAVERHILL LAKE C	275.0	0.20		55.0		55.0	30.3	24.7
JUDY CREEK SOUTH 062-11W5								
BEAVERHILL LAKE TOTAL	1 280.0			255.0	167.0	422.0	376.2	45.8
PRIMARY AREA	165.0	0.20		33.0		33.0		
WATER FLOOD AREA	1 110.0	0.20	0.15	222.0	167.0	389.0		
BEAVERHILL LAKE B	489.0	0.12		58.7		58.7	41.9	16.8
BEAVERHILL LAKE C	1 500.0	0.10		150.0		150.0	76.0	74.0
BEAVERHILL LAKE D	283.0	0.15		42.5		42.5	0.5	42.0
JUMPBUSH 020-19W4								
UPPER MANNVILLE A	2 820.0	0.10		282.0		282.0	100.8	181.2
UPPER MANNVILLE E	384.0	0.15		57.6		57.6	36.0	21.6

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	6.15	0.140	0.45	0.88	36	815	43	4 937	1 195.4	1983	84 05 - SUSP 86 01
64	11.90	0.160	0.45	0.88	36	876	43	8 438	1 292.8	1983	84 05
16	4.88	0.200	0.15	0.66	154	834	78	16 800	2 053.7	1956	64 04 - SUSP 60 06
3 034	23.47	0.060	0.13	0.53	300	806	92	24 510	2 615.8	1957	86 12
64	0.93	0.150	0.40	0.94	25	876	21	5 558	868.3	1977	85 08 - GPP
758	9.10	0.110	0.30	0.65	185	752	66	23 965	2 330.1	1979	81 12
64	7.84	0.102	0.30	0.65	185	752	76	23 910	2 394.0	1981	81 12
8 205					34	834	36	6 000	990.0	1949	86 06
3 496	3.18	0.197	0.28	0.90							
4 427	4.33	0.193	0.28	0.90							
282	5.00	0.197	0.28	0.90							
128	0.95	0.170	0.38	0.90	45	859	32	5 561	1 000.6	1981	84 11
64	6.50	0.075	0.45	0.85	64	836	40	7 403	1 188.8	1980	84 12 - SUSP 83 10
8 219					67	820	51	7 720	1 517.6	1953	79 08 - GPP
539	1.08	0.111	0.38	0.81							
7 680	3.39	0.111	0.38	0.81							
785	0.83	0.120	0.40	0.81	66	817	56	7 696	1 538.5	1955	85 12
128	1.55	0.120	0.34	0.83	70	817	30	8 296	1 603.4	1984	85 08
500	1.06	0.120	0.34	0.81	66	817	56	7 842	1 602.3	1981	87 11
128	3.00	0.070	0.43	0.80	99	820	44	9 132	1 559.5	1985	86 08
32	7.96	0.130	0.28	0.80	71	860	71	14 130	1 754.1	1958	64 04 - ABAND 70 06
162	2.44	0.130	0.25	0.79	76	860	67	14 550	1 733.1	1958	75 12 - GPP
65	2.44	0.100	0.40	0.80	84	870	67	14 850	1 723.9	1975	75 12 - SUSP 87 01
64	1.46	0.080	0.35	0.78	91	878	69	14 465	1 733.8	1985	86 08
10 543					130	815	77	17 510	2 134.5	1956	82 12 - GPP
200	8.80	0.044	0.23	0.73							
10 343	10.40	0.044	0.23	0.73							
64	0.90	0.080	0.10	0.73	110	824	79	15 441	2 212.5	1964	86 01 - GPP
64	45.82	0.110	0.10	0.71	111	832	72	16 449	2 159.5	1985	87 03
64	9.00	0.060	0.14	0.75	111	832	74	16 098	2 120.8	1986	86 12
16	1.00	0.220	0.52	0.82	70	888	54	10 652	1 033.0	1983	83 10 - SUSP 83 10
64	4.90	0.097	0.30	0.70	150	904	51	15 130	1 749.7	1975	82 12 - SUSP 81 12
4 206	1.46	0.170	0.34	0.87	48	839	54	9 061	1 409.3	1969	83 05 - GPP
65	4.57	0.170	0.30	0.87	51	849	48	8 360	1 486.2	1977	83 12 - SUSP 78 01
11 620					122	820	96	24 200	2 641.1	1959	85 12
3 316	20.84	0.090	0.16	0.71							
8 304	20.84	0.090	0.16	0.71							
4 538					184	815	97	24 820	2 695.0	1959	87 10
448	15.57	0.092	0.17	0.61							
4 090	19.97	0.092	0.17	0.61							
128	6.96	0.060	0.17	0.62	184	815	97	24 073	2 789.4	1959	87 03
1 084					229	815	85	24 820	2 738.6	1960	86 07
128	4.60	0.060	0.18	0.57							
956	3.60	0.069	0.18	0.57							
400	4.47	0.050	0.23	0.71	112	815	89	25 350	2 707.5	1961	82 06
1 230	3.08	0.068	0.18	0.71	112	815	84	23 170	2 726.1	1971	85 12
128	8.50	0.050	0.35	0.80	176	828	92	24 086	2 699.5	1984	85 04 - SUSP 86 05
341	6.20	0.210	0.25	0.85	75	876	41	11 940	1 368.0	1977	82 06
128	2.10	0.210	0.20	0.85	75	876	41	11 700	1 350.7	1977	82 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
JUMPBUSH 020-19W4 (CONTINUED)								
UPPER MANNVILLE F	265.0	0.10		26.5		26.5	12.4	14.1
UPPER MANNVILLE G	102.0	0.01		1.0		1.0	0.8	0.2
UPPER MANNVILLE I	455.0	0.15		68.3		68.3	6.7	61.6
KAKUT 075-03W6								
CHARLIE LAKE A	360.0	0.15		54.0		54.0	17.7	36.3
KAKWA 063-05W6								
MAIN CARDIUM A	1 020.0	0.05		51.0		51.0	23.5	27.5
MAIN CARDIUM C	34.6	<0.01		0.1		0.1	0.1	
A CARDIUM A TOTAL	5 460.0			819.0	680.0	1 499.0	553.7	945.3
PRIMARY AREA	1 880.0	0.15		282.0		282.0		
GAS FLOOD AREA	3 580.0	0.15	0.19	537.0	680.0	1 217.0		
C CARDIUM A	291.0	0.13		37.8		37.8	22.0	15.8
C CARDIUM B	324.0	0.12		38.9		38.9	14.2	24.7
DUNVEGAN A	204.0	<0.01		0.9		0.9	0.8	0.1
DUNVEGAN B	99.9	0.10		10.0		10.0	1.7	8.3
DUNVEGAN C	186.0	0.10		18.6		18.6	7.3	11.3
KARR 066-02W6								
DUNVEGAN A	137.0	<0.01		0.1		0.1	0.1	
KAYBOB 064-19W5								
GETHING C	186.0	<0.01		0.1		0.1	0.1	
GETHING D	205.0	<0.01		0.7		0.7	0.7	
GETHING E	1 790.0	0.05		89.5		89.5	4.9	84.6
GETHING F	406.0	0.10		40.6		40.6	2.0	38.6
GETHING G	97.8	0.10		9.8		9.8	0.4	9.4
CADOMIN B	5 760.0	<0.02		80.0		80.0	72.8	7.2
CADOMIN C	72.9	0.10		7.3		7.3	5.8	1.5
TRIASSIC A	53.3	0.15		8.0		8.0	0.7	7.3
NISKU C	1 100.0	<0.01		7.5		7.5	7.5	
BEAVERHILL LAKE A WATER FLOOD	44 000.0	0.16	0.24	7 040.0	10 560.0	17 600.0	15 784.4	1 815.6
BEAVERHILL LAKE B	1 270.0	0.16		203.0		203.0	112.1	90.9
KAYBOB SOUTH 060-19W5								
DUNVEGAN A	174.0	<0.02		2.4		2.4	2.4	
DUNVEGAN B	808.0	0.03		24.2		24.2	13.9	10.3
BLUESKY A	63.9	<0.01		0.6		0.6	0.6	
GETHING C	98.7	<0.01		0.4		0.4	0.4	
TRIASSIC A TOTAL	34 910.0			5 894.0	11 910.0	17 800.0	12 130.7	5 669.3
PRIMARY AREA	611.0	0.17		104.0		104.0		
SOLVENT FLOOD AREA	14 500.0	0.17	0.44	2 420.0	6 380.0	8 800.0		
WATER FLOOD AREA	19 800.0	0.17	0.30	3 370.0	5 530.0	8 900.0		
KEHO 011-22W4								
COLORADO A	388.0	0.10		38.8		38.8	26.9	11.9
BOW ISLAND C	345.0	0.03		10.4		10.4	5.4	5.0
BOW ISLAND F	276.0	0.10		27.6		27.6	6.9	20.7
BOW ISLAND G	413.0	0.10		41.3	ERSO	41.3	20.5	20.8
BOW ISLAND H	51.1	0.10		5.1		5.1	2.3	2.8
ELKTON A	192.0	0.08		15.4		15.4	10.1	5.3
PEKISKO A	242.0	<0.02		2.7		2.7	2.7	
KELSEY 044-18W4								
LOWER MANNVILLE A	103.0	<0.01		0.2		0.2	0.2	
KIDNEY 092-05W5								
KEG RIVER A	1 073.0	0.25		268.0		268.0	30.7	237.3
KEG RIVER B	860.0	0.25		215.0		215.0	29.5	185.5
KEG RIVER C	579.0	0.25		145.0		145.0	17.9	127.1
KEG RIVER D	273.0	0.25		68.3		68.3	8.3	60.0
KEG RIVER E	345.0	0.25		86.3		86.3	9.5	76.8
KEG RIVER G	194.0	0.25		48.5		48.5	6.5	42.0
KEG RIVER I	224.0	0.25		56.0		56.0	8.4	47.6
KEG RIVER J	793.0	0.25		198.0		198.0	16.1	181.9
KEG RIVER K	154.0	0.25		38.5		38.5	4.8	33.7
KEG RIVER L	302.0	0.25		75.5		75.5	7.3	68.2
KEG RIVER M	426.0	0.25		107.0		107.0	7.1	99.9
KEG RIVER N	42.8	0.25		10.7		10.7	0.6	10.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	4.62	0.160	0.30	0.80	93	865	39	11 980	1 344.3	1976	79 07 - GPP
64	1.70	0.180	0.35	0.80	90	865	36	12 521	1 354.5	1980	83 12 - SUSP 87 02
64	4.30	0.240	0.18	0.84	72	861	40	11 317	1 303.2	1984	85 04
247	1.88	0.134	0.32	0.85	68	847	49	13 715	1 510.0	1982	85 11
320	5.34	0.110	0.18	0.66	192	790	53	20 248	1 813.4	1979	81 12
64	1.41	0.086	0.28	0.62	132	798	53	20 209	1 757.6	1979	81 07 - SUSP 83 08
3 840					254	794	52	21 248	1 826.1	1978	87 08
1 664	2.11	0.113	0.21	0.60							
2 176	2.80	0.124	0.21	0.60							
256	1.51	0.150	0.15	0.59	300	780	52	21 213	1 852.7	1979	80 07
204	2.61	0.120	0.16	0.59	268	790	55	20 558	1 785.6	1980	85 02
64	7.00	0.100	0.30	0.65	185		67	23 990	2 453.5	1980	81 02 - SUSP 81 03
64	5.20	0.110	0.58	0.65	160	811	74	23 130	2 346.1	1981	82 04 - SUSP 86 01
64	5.10	0.120	0.35	0.73	119	830	67	23 860	2 436.8	1980	86 11
64	3.62	0.120	0.40	0.82	72	837	49	12 923	1 627.9	1984	86 01 - SUSP 85 10
64	6.70	0.100	0.49	0.85	48	885	71	14 178	1 754.2	1981	83 12 - SUSP 82 09
64	2.70	0.170	0.17	0.84	96	874	60	14 175	1 753.9	1981	84 12 - SUSP 83 03
128	14.40	0.170	0.32	0.84	64	874	60	14 397	1 841.0	1985	87 05
64	7.49	0.155	0.35	0.84	70	889	24	14 551	1 828.9	1985	86 09
64	2.00	0.140	0.35	0.84	64	898	60	14 606	1 834.8	1986	87 01
1 040	5.82	0.160	0.30	0.85	57	887	73	14 480	1 810.5	1962	83 12 - GPP
45	1.83	0.160	0.30	0.79	56	892	66	14 200	1 740.6	1966	83 12 - GPP
64	1.24	0.137	0.30	0.70	117	828	79	16 725	1 924.1	1986	86 10
64	36.00	0.072	0.15	0.78	100	837	74	13 880	2 541.5	1978	85 07 - ABAND 86 02
6 820	18.06	0.072	0.20	0.62	199	811	113	31 920	2 980.9	1957	87 04
501	8.78	0.064	0.26	0.61	435	797	109	30 270	2 949.5	1961	76 08
64	3.64	0.160	0.40	0.78	94	830	60	12 410	1 618.4	1977	79 11 - ABAND 83 01
256	4.33	0.130	0.34	0.85	82	831	55	13 710	1 658.6	1976	86 12 - GPP
65	1.52	0.120	0.28	0.75	103	829	82	12 800	2 024.8	1976	83 12 - ABAND 80 02
64	3.06	0.120	0.40	0.70	156	824	82	14 451	2 077.8	1979	84 12 - SUSP 84 09
8 652					123	815	86	17 450	2 095.5	1963	87 12
338	2.20	0.130	0.11	0.71							
3 249	6.73	0.105	0.11	0.71							
5 065	5.89	0.105	0.11	0.71							
256	1.25	0.187	0.28	0.90	24	870	38	7 580	1 133.2	1974	75 09 - GPP
65	6.95	0.163	0.50	0.94	20	839	49	3 480	1 175.6	1975	80 12 - GPP
128	2.90	0.150	0.45	0.90	27	819	31	3 866	991.9	1981	86 04
270	1.70	0.135	0.30	0.95	27	873	31	5 604	957.5	1984	86 03
64	1.20	0.100	0.30	0.95	25	855	32	3 007	1 045.0	1978	78 02 - GPP
64	3.05	0.160	0.14	0.71	128	839	42	14 840	1 550.2	1973	83 12 - GPP
64	19.00	0.030	0.15	0.78	92	878	50	18 777	1 902.5	1979	83 12 - ABAND 83 10
64	1.50	0.210	0.40	0.85	58	856	42	7 188	1 129.7	1982	83 06 - SUSP 83 12
320	10.50	0.055	0.34	0.88	47	829	40	13 842	1 291.1	1985	87 08
384	6.08	0.059	0.29	0.88	43	825	39	13 956	1 350.9	1985	87 03
192	9.92	0.048	0.28	0.88	43	818	36	14 043	1 433.8	1986	87 03
64	8.22	0.092	0.36	0.88	42	835	39	13 798	1 323.3	1986	86 06
64	14.97	0.066	0.39	0.88	44	835	39	13 925	1 425.2	1986	86 06
64	8.36	0.059	0.30	0.88	43	835	39	13 901	1 334.9	1986	86 07
64	9.84	0.069	0.40	0.86	23	835	39	13 994	1 342.2	1986	86 09
256	9.36	0.057	0.34	0.88	45	835	38	14 056	1 475.2	1986	87 12
64	6.81	0.055	0.27	0.88	47	835	40	13 926	1 337.9	1986	86 12
128	10.54	0.053	0.52	0.88	43	854	41	14 534	1 426.0	1986	86 12
128	7.12	0.083	0.36	0.88	47	829	40	13 317	1 314.2	1986	86 12
64	2.09	0.056	0.35	0.88	43	838	39	13 391	1 406.6	1986	87 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
KIDNEY 092-05W5 (CONTINUED)								
KEG RIVER O	323.0	0.25		80.8		80.8	6.6	74.2
KEG RIVER P	239.0	0.25		59.8		59.8	5.7	54.1
KEG RIVER Q	76.9	0.25		19.2		19.2	3.8	15.4
KEG RIVER R	65.1	0.25		16.3		16.3	2.3	14.0
KEG RIVER S	58.5	0.25		14.6		14.6	2.6	12.0
KEG RIVER U	134.0	0.15		20.1		20.1		20.1
KILLAM 043-10W4								
UPPER VIKING B	318.0	0.15		47.7		47.7	45.8	1.9
UPPER VIKING C	44.8	0.10		4.5		4.5	3.3	1.2
UPPER VIKING D	28.4	<0.02		0.5		0.5	0.5	
UPPER VIKING E	70.0	<0.01		0.3		0.3	0.3	
UPPER VIKING H	388.0	0.10		38.8		38.8	10.8	28.0
GLAUCONITIC S	1 900.0	0.40		760.0		760.0	222.9	537.1
GLAUCONITIC FF	1 415.0	0.40		566.0		566.0	76.1	489.9
KITTY 086-12W5								
SLAVE POINT A	207.0	0.10		20.7		20.7	5.6	15.1
SLAVE POINT B	408.0	0.30		122.0		122.0	29.7	92.3
SLAVE POINT C	333.0	0.30		99.9		99.9	26.1	73.8
SLAVE POINT D	55.0	0.30		16.5		16.5	2.3	14.2
SLAVE POINT E	134.0	0.10		13.4		13.4	2.0	11.4
SLAVE POINT F	103.0	0.10		10.3		10.3	1.8	8.5
GRANITE WASH A	83.7	0.15		12.6		12.6	5.4	7.2
GRANITE WASH B	121.0	0.20		24.2		24.2	0.4	23.8
KNAPPEN 001-11W4								
LOWER MANNVILLE A	429.0	0.10		42.9		42.9	35.6	7.3
LOWER MANNVILLE B	278.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE C	378.0	0.08		30.4		30.4	22.3	8.1
LOWER MANNVILLE F	229.0	0.05		11.5		11.5	4.9	6.6
KNOPCIK 074-10W6								
CHARLIE LAKE A	222.0	<0.01		0.1		0.1	0.1	
HALFWAY A	193.0	<0.01		0.5		0.5	0.5	
LACOMBE 040-26W4								
NISKU A	113.0	0.13		14.7		14.7	13.5	1.2
NISKU B	75.6	0.10		7.6		7.6	4.0	3.6
NISKU C	176.0	0.20		35.2		35.2	18.9	16.3
LANAWAY 036-03W5								
CARDIUM	2 920.0	0.10		292.0		292.0	187.5	104.5
CARDIUM B	292.0	<0.01		0.6		0.6	0.6	
CARDIUM C	732.0	0.05		36.6		36.6	29.3	7.3
CARDIUM D	92.9	0.10		9.3		9.3	1.9	7.4
SECOND WHITE SPECKS A	334.0	0.04		13.4		13.4	11.4	2.0
MANNVILLE	3 500.0	0.10		350.0		350.0	197.6	152.4
MANNVILLE B	320.0	0.05		16.0		16.0	6.0	10.0
MANNVILLE C	23.0	<0.02		0.3		0.3	0.3	
MANNVILLE D	145.0	0.10		14.5		14.5	7.6	6.9
MANNVILLE E	391.0	0.03		11.7		11.7	1.3	10.4
MANNVILLE F	223.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	108.0	0.10		10.8		10.8	1.2	9.6
GLAUCONITIC A & BASAL QUARTZ A	229.0	<0.01		1.0		1.0	1.0	
ELKTON A	1 010.0	0.10		101.0		101.0	8.8	92.2
PEKISKO A	101.0	0.10		10.1		10.1	2.7	7.4
D-2 A	243.0	0.20		48.6		48.6	12.3	36.3
D-3 A	245.0	0.01		2.4		2.4	2.4	
LARNE 116-03W6								
MUSKEG B	144.0	0.10		14.4		14.4	9.1	5.3
KEG RIVER A	350.0	0.20		70.0		70.0	18.0	52.0
KEG RIVER B	340.0	0.10		34.0		34.0	24.0	10.0
KEG RIVER C	718.0	0.07		50.3		50.3	46.1	4.2
KEG RIVER D	397.0	0.20		79.4		79.4	62.4	17.0
KEG RIVER E	338.0	0.20		67.7		67.7	51.7	16.0
KEG RIVER F	127.0	0.10		12.7		12.7	10.7	2.0
KEG RIVER G	284.0	<0.14		37.8		37.8	37.8	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	12.45	0.061	0.27	0.91	32	831	39	12 420	1 339.7	1985	87 02
64	11.20	0.060	0.39	0.91	32	834	41	13 314	1 329.1	1985	87 02
64	4.10	0.046	0.30	0.91	45	835	39	14 311	1 384.0	1986	87 02
64	4.73	0.043	0.45	0.91	32	835	39	14 492	1 331.6	1986	87 02
64	2.80	0.053	0.30	0.88	43	818	39	14 217	1 417.6	1986	87 03
64	6.44	0.066	0.44	0.88	31	836	36	13 695	1 309.8	1986	87 04
244	1.16	0.190	0.35	0.91	38	849	27	5 582	783.3	1958	75 12 - GPP
32	1.22	0.250	0.50	0.91	39	849	28	5 630	788.2	1973	83 12
32	1.30	0.150	0.50	0.91	39	887	37	5 020	788.5	1971	79 06 - SUSP 85 01
64	1.50	0.160	0.50	0.91	39	854	34	6 220	817.3	1979	79 10 - SUSP 85 02
160	2.15	0.210	0.41	0.91	26	851	36	4 315	795.5	1981	84 11
151	5.93	0.268	0.14	0.92	39	860	34	6 100	949.3	1979	87 12
112	5.91	0.264	0.12	0.92	39	910	34	6 250	947.1	1985	87 09
64	9.23	0.050	0.23	0.91	31	829	46	15 523	1 533.9	1985	87 12
192	4.50	0.070	0.25	0.90	33	835	45	16 113	1 504.5	1982	86 03
64	7.19	0.098	0.17	0.89	35	836	44	15 981	1 533.2	1984	84 08
64	3.00	0.045	0.30	0.91	30		38	15 415	1 538.5	1980	81 02
64	8.80	0.045	0.42	0.91	32	857	38	15 522	1 478.3	1982	83 02 - SUSP 86 03
64	3.90	0.070	0.35	0.91	32	837	38	15 983	1 532.3	1980	87 12
64	1.40	0.160	0.27	0.80	76	832	54	15 726	1 562.7	1983	84 06
64	2.50	0.150	0.44	0.90	31	837	43	16 073	1 563.5	1986	87 02
128	2.28	0.210	0.27	0.96	10	835	32	9 268	894.6	1956	87 03 - GPP
65	2.44	0.250	0.20	0.88	42	829	28	6 840	831.8	1966	83 12 - SUSP 76 02
130	1.52	0.250	0.20	0.96	18	844	34	6 030	814.4	1972	73 12 - GPP
64	3.70	0.200	0.45	0.88	51	830	29	6 500	810.9	1975	83 12 - GPP
64	3.30	0.200	0.25	0.70	120	821	76	8 409	2 124.9	1981	82 11 - ABAND 84 08
64	7.99	0.084	0.35	0.69	149	807	64	21 668	2 201.7	1982	83 03 - SUSP 85 08
64	6.18	0.060	0.32	0.70			70		1 992.8	1958	78 12 - GPP
64	4.20	0.055	0.30	0.73	105	810	73	16 478	1 984.3	1982	85 03 - GPP
128	3.05	0.076	0.15	0.70	143	822	67	17 025	1 972.2	1982	85 03 - GPP
1 869	2.35	0.110	0.28	0.84	53	825	54	15 314	1 807.5	1960	82 07
129	3.66	0.090	0.22	0.88	53	839	54		1 773.6	1973	73 12 - ABAND 73 11
256	4.30	0.110	0.28	0.84	53	825	54	20 430	1 776.9	1960	86 12
128	1.00	0.120	0.28	0.84	52	841	58	21 777	1 819.5	1984	86 01
65	8.53	0.120	0.30	0.72	89	865	59	21 900	1 860.0	1977	83 12 - GPP
840	6.60	0.110	0.25	0.76	71	876	60	16 690	2 274.9	1959	83 11
64	6.80	0.124	0.22	0.76	76	853	76	18 783	2 320.5	1981	84 01
64	1.00	0.090	0.50	0.80	88	853	64	10 266	2 298.5	1981	82 06 - ABAND 86 12
64	3.70	0.120	0.25	0.68	134	861	72	18 653	2 294.2	1981	83 03
64	15.90	0.100	0.52	0.80	100	892	66	18 420	2 356.3	1982	84 12
64	6.00	0.150	0.43	0.68	152	843	82	16 123	2 237.8	1980	84 07 - SUSP 83 04
64	2.10	0.125	0.20	0.80	93	880	45	18 629	2 291.2	1986	87 04
128	4.07	0.090	0.39	0.80	82	874	60	16 680	2 229.0	1979	82 05 - SUSP 85 02
128	12.35	0.120	0.29	0.75	103	904	74	18 150	2 395.8	1974	85 09
64	5.26	0.060	0.35	0.77	99	876	64	17 499	2 267.3	1977	84 03
64	10.70	0.055	0.14	0.75	95	810	75	23 760	2 866.2	1985	86 07
65	7.92	0.100	0.15	0.56	261	788	82	24 240	2 923.3	1964	73 02 - SUSP 72 09
35	17.68	0.040	0.35	0.90	35	898	64	13 650	1 407.3	1973	80 11 - SUSP 86 03
12	51.90	0.078	0.20	0.90	22	887	69	13 470	1 429.8	1969	86 02
17	37.45	0.075	0.20	0.89	37	898	61	13 460	1 415.8	1968	83 12 - GPP
16	60.96	0.092	0.10	0.88	46	898	61	13 710	1 427.1	1968	81 12 - GPP
9	72.10	0.089	0.21	0.87	38	876	70	13 800	1 467.3	1968	83 01
17	39.93	0.071	0.20	0.88	31	876	72	13 470	1 425.2	1969	73 12
21	29.75	0.032	0.30	0.89	37	892	61	12 890	1 399.6	1969	78 07 - GPP
13	47.61	0.061	0.15	0.89	35	898	63	13 410	1 410.3	1969	83 12 - SUSP 79 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LARNE 116-03W6 (CONTINUED)								
KEG RIVER H	413.0	0.03		12.4		12.4	11.8	0.6
KEG RIVER I	478.0	<0.05		19.6		19.6	19.6	
KEG RIVER J	510.0	<0.02		7.7		7.7	7.7	
KEG RIVER K	397.0	0.15		59.6		59.6	52.6	7.0
KEG RIVER L	292.0	<0.04		9.4		9.4	9.4	
KEG RIVER M	280.0	<0.03		8.0		8.0	8.0	
KEG RIVER N	238.0	<0.07		14.5		14.5	14.5	
KEG RIVER O	143.0	<0.19		26.9		26.9	26.9	
KEG RIVER P	346.0	0.10		34.6		34.6	13.9	20.7
KEG RIVER Q	159.0	<0.07		10.6		10.6	10.6	
KEG RIVER R	159.0	0.25		39.8		39.8	30.2	9.6
KEG RIVER S	600.0	0.03		18.0		18.0	10.9	7.1
KEG RIVER T	1 100.0	0.03		33.0		33.0	2.9	30.1
KEG RIVER U	168.0	0.20		33.6		33.6	5.2	28.4
KEG RIVER V	420.0	0.10		42.0		42.0	11.7	30.3
KEG RIVER W	272.0	0.15		40.8		40.8	3.4	37.4
KEG RIVER X	79.3	<0.06		4.5		4.5	4.5	
KEG RIVER Y	372.0	0.10		37.2		37.2	2.3	34.9
KEG RIVER Z	160.0	0.10		16.0		16.0	3.7	12.3
KEG RIVER AA	100.0	0.25		25.0		25.0	1.7	23.3
KEG RIVER BB	321.0	0.25		80.3		80.3	2.6	77.7
KEG RIVER CC	120.0	0.25		30.0		30.0	7.4	22.6
KEG RIVER DD	235.0	0.25		58.8		58.8	5.7	53.1
KEG RIVER EE	190.0	0.25		47.5		47.5	7.3	40.2
KEG RIVER FF	70.0	0.25		17.5		17.5	2.3	15.2
KEG RIVER GG	86.8	0.25		21.7		21.7	2.7	19.0
KEG RIVER HH	150.0	0.25		37.5		37.5	7.2	30.3
KEG RIVER II	206.0	0.10		20.6		20.6	1.2	19.4
KEG RIVER JJ	172.0	0.25		43.0		43.0	4.0	39.0
KEG RIVER KK	110.0	0.25		27.5		27.5	3.1	24.4
LATOR 063-02W6								
DUNVEGAN A	1 540.0	0.10		154.0		154.0	121.1	32.9
LATORNELL 063-01W6								
DUNVEGAN A	1 310.0	<0.01		1.3		1.3	1.3	
LEAHURST 039-18W4								
VIKING E	293.0	0.10		29.3		29.3		29.3
MANNVILLE C	70.9	<0.02		1.0		1.0	1.0	
MANNVILLE M	153.0	0.10		15.3		15.3	2.5	12.8
BASAL QUARTZ A	110.0	0.05		5.5		5.5	1.6	3.9
BASAL QUARTZ B	45.9	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	137.0	<0.01		1.2		1.2	1.2	
LEAMAN 055-12W5								
LOWER MANNVILLE G	359.0	0.10		35.9		35.9	14.3	21.6
LOWER MANNVILLE M	152.0	0.10		15.2		15.2	3.2	12.0
NORDEGG A	383.0	0.10		38.3		38.3	0.8	37.5
NORDEGG C	1 000.0	0.15		150.0		150.0	16.3	133.7
LEDUC-WOODBEND 050-26W4								
BLAIRMORE A	1 450.0	0.20		290.0		290.0	277.2	12.8
BLAIRMORE B	27.3	<0.08		2.1		2.1	2.1	
BLAIRMORE C	63.1	<0.01		0.1		0.1	0.1	
BLAIRMORE D	404.0	<0.03		9.8		9.8	9.8	
BLAIRMORE E	605.0	<0.04		23.3		23.3	23.3	
BLAIRMORE G	130.0	<0.01		0.7		0.7	0.7	
BLAIRMORE H	37.8	<0.02		0.4		0.4	0.4	
BLAIRMORE J	1 330.0	0.47		625.0		625.0	581.9	43.1
BLAIRMORE K	307.0	<0.14		41.9		41.9	41.9	
BLAIRMORE CC	256.0	0.02		5.1		5.1	1.0	4.1
BLAIRMORE GG	145.0	<0.01		0.2		0.2	0.2	
BLAIRMORE KK	248.0	<0.01		1.5		1.5	1.5	
BLAIRMORE NN	496.0	0.05		24.8		24.8	1.1	23.7
GLAUCONITIC A	305.0	0.10		30.5		30.5	1.3	29.2
D-1 A	159.0	<0.03		4.0		4.0	4.0	
D-1 B	54.7	<0.18		9.8		9.8	9.8	
D-2 A WATER FLOOD	32 700.0	<0.34	0.10	10 900.0	3 270.0	14 200.0	14 090.4	109.6
D-2 B	12 500.0	0.27		3 380.0		3 380.0	3 260.3	119.7

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
14	56.93	0.071	0.18	0.89	27	887	62	13 090	1 417.6	1971	84 05 - SUSP 85 01
13	47.37	0.098	0.10	0.88	39	881	62	13 070	1 409.1	1971	81 12 - SUSP 79 12
15	42.34	0.107	0.13	0.89	35	887	61	12 450	1 421.3	1971	83 12 - SUSP 80 02
13	48.62	0.083	0.18	0.90	35	887	61	13 310	1 408.2	1972	85 12 - GPP
11	58.61	0.066	0.22	0.88	43	887	50	13 130	1 444.4	1971	86 12 - SUSP 85 01
12	38.60	0.084	0.18	0.88	35	892	64	13 170	1 413.7	1972	84 12 - SUSP 85 11
27	22.77	0.055	0.20	0.88	33	892	54	14 320	1 397.2	1972	81 12 - SUSP 80 04
7	40.14	0.064	0.15	0.90	31	904	64	14 820	1 406.7	1971	86 12 - SUSP 85 03
16	38.10	0.078	0.20	0.90	35	910	70	13 360	1 410.6	1972	80 11 - SUSP 86 03
14	17.98	0.078	0.11	0.90	27	904	63	13 560	1 411.8	1971	81 12 - ABAND 82 02
25	18.17	0.049	0.20	0.89	45	881	62	13 830	1 413.4	1969	83 12 - SUSP 86 01
28	57.33	0.070	0.40	0.89	22	869	80	13 622	1 445.5	1982	84 12 - SUSP 86 05
64	43.50	0.060	0.25	0.88	38	920	61	13 566	1 416.5	1983	83 08
19	23.10	0.050	0.13	0.88	38	909	61	12 887	1 408.5	1983	84 11
11	51.70	0.114	0.25	0.88	38	894	61	12 615	1 408.3	1983	85 12 - GPP
14	24.30	0.100	0.12	0.88	47	919	62	13 241	1 408.9	1984	85 06
12	19.50	0.050	0.23	0.88	43	884	48	13 026	1 415.4	1972	85 12 - SUSP 86 05
64	11.00	0.075	0.20	0.88	32	889	72	13 306	1 426.5	1985	86 06
14	28.01	0.060	0.20	0.85	54	880	59	13 323	1 445.8	1985	87 01
16	18.14	0.045	0.13	0.88	35	900	54	12 653	1 401.2	1985	86 02
64	19.00	0.040	0.25	0.88	35	917	57	12 796	1 407.5	1985	86 03
13	17.63	0.070	0.15	0.88	37	894	62	13 474	1 431.3	1985	87 12
14	29.77	0.072	0.11	0.88	35	898	79	12 430	1 395.0	1985	87 01
32	19.84	0.040	0.15	0.88	32	878	65	13 527	1 418.0	1985	87 01
13	16.00	0.045	0.15	0.88	35	804	63	13 125	1 407.0	1985	86 05
41	14.88	0.021	0.23	0.88	35	907	63	12 815	1 407.5	1985	86 07
30	20.21	0.037	0.24	0.88	35	892	63	12 896	1 400.8	1986	87 01
64	30.00	0.020	0.39	0.88	35	891	63	13 618	1 409.0	1986	87 01 - SUSP 86 11
37	16.51	0.040	0.20	0.88	35	899	63	13 044	1 400.3	1986	87 01
64	12.00	0.025	0.35	0.88	35	881	77	13 234	1 416.0	1986	86 09
612	2.83	0.174	0.30	0.73	119	829	67	22 830	2 174.4	1957	71 04
192	10.54	0.125	0.30	0.74	119	830	67	12 172	1 934.1	1985	86 05 - SUSP 86 04
64	7.40	0.125	0.45	0.90	35	876	43	6 545	1 100.9	1982	83 03
64	0.92	0.210	0.40	0.95	18	892	44	10 480	1 262.8	1974	84 12 - SUSP 84 01
64	2.70	0.150	0.38	0.95	16	877	39	10 581	1 284.0	1982	82 12
64	2.50	0.150	0.46	0.85	57	897	55	10 726	1 299.7	1978	84 12
64	1.10	0.150	0.45	0.79	88	860	55	10 575	1 303.9	1979	84 12 - SUSP 84 12
64	2.40	0.150	0.30	0.85	66	873	46	9 335	1 235.2	1980	80 12 - SUSP 84 07
192	2.94	0.122	0.34	0.79	87	886	71	16 139	1 877.6	1981	85 09
32	9.60	0.180	0.68	0.86	52	927	61	12 169	1 645.6	1985	85 10
64	11.90	0.117	0.50	0.86	65	878	50	12 501	1 614.9	1981	82 05
201	7.24	0.170	0.53	0.86	52	923	57	12 239	1 618.3	1985	87 04
338	3.90	0.183	0.23	0.78	94	834	57	9 790	1 305.2	1951	81 12 - GPP
16	1.86	0.150	0.25	0.81	93	834	57	9 650	1 297.8	1954	71 12 - ABAND 62 06
16	4.57	0.150	0.28	0.79	93	825	58	10 170	1 316.7	1954	62 05 - ABAND 56 08
69	8.23	0.150	0.45	0.86	53	887	57	10 340	1 376.2	1952	74 04 - ABAND 74 03
65	10.97	0.150	0.28	0.79	98	825	60	10 240	1 347.8	1952	62 10 - SUSP 85 01
16	9.45	0.150	0.28	0.79	93	825	59	10 240	1 358.5	1953	68 03 - ABAND 54 11
16	2.74	0.150	0.28	0.79	93	825	56	9 760	1 278.6	1950	68 03 - ABAND 51 05
256	4.15	0.200	0.20	0.78	93	825	54	9 650	1 287.5	1948	86 12 - GPP
119	3.05	0.143	0.28	0.82	98	825	62	10 340	1 334.7	1951	82 12 - SUSP 84 10
64	4.60	0.150	0.28	0.80	98	825	60	10 270	1 317.0	1953	79 12 - GPP
64	2.40	0.220	0.45	0.78	98	850	60	9 208	1 292.6	1980	80 12 - SUSP 80 11
64	4.00	0.220	0.45	0.80	83	827	54	9 460	1 304.3	1983	83 11 - SUSP 84 06
64	7.00	0.200	0.30	0.79	83	974	42	9 622	1 356.2	1949	86 11
64	4.60	0.180	0.36	0.90	33	840	45	9 117	1 306.5	1985	86 03
65	5.39	0.074	0.25	0.82	71	820	58	9 890	1 366.1	1963	75 12 - SUSP 75 03
98	0.91	0.100	0.25	0.82	74	820	54	10 310	1 382.3	1964	68 03 - SUSP 73 05
9 169	18.90	0.034	0.26	0.75	115	834	63	12 200	1 555.4	1947	83 12 - GPP
4 641	11.33	0.048	0.34	0.75	98	834	60	12 650	1 603.9	1950	85 05 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LEDUC-WOODBEND 050-26W4 (CONTINUED)								
D-2 C	413.0	0.54		223.0		223.0	216.0	7.0
D-2 D	99.5	0.57		56.7		56.7	54.4	2.3
D-2 E	192.0	0.63		121.0		121.0	116.6	4.4
D-2 F	318.0	0.20		63.6		63.6	53.5	10.1
D-3 A WATER FLOOD	61 200.0	0.55	0.10	33 700.0	6 120.0	39 800.0	38 952.2	847.8
D-3 B	2 380.0	0.50		1 190.0		1 190.0	1 173.5	16.5
D-3 C	144.0	0.51		73.7		73.7	73.7	
D-3 D	113.0	0.39		44.3		44.3	44.3	
D-3 E	403.0	0.10		40.3		40.3	28.5	11.8
D-3 F	1 030.0	0.70		721.0		721.0	567.1	153.9
D-3 G	153.0	0.30		45.9		45.9	17.3	28.6
D-3 H	105.0	0.40		42.0		42.0	3.8	38.2
D-3 I	235.0	0.50		118.0		118.0	7.3	110.7
D-3 J	180.0	0.40		72.0		72.0	6.7	65.3
D-3 K	84.3	<0.01		0.3		0.3	0.3	
D-3 L	72.5	0.10		7.3		7.3	0.6	6.7
D-3 M	213.0	0.10		21.3		21.3		21.3
LEEDALE 043-04W5								
BELLY RIVER D	168.0	0.10		16.8		16.8	1.8	15.0
CARDIUM A	354.0	0.05		17.7		17.7	7.4	10.3
CARDIUM B	111.0	0.10		11.1		11.1	1.4	9.7
LEGAL 057-25W4								
MIDDLE VIKING A	434.0	0.50		217.0		217.0	197.0	20.0
MANNVILLE B	38.1	<0.03		1.0		1.0	1.0	
D-3 A	32.4	<0.01		0.1		0.1	0.1	
LELAND 059-25W5								
CARDIUM A	102.0	0.10		10.2		10.2	0.5	9.7
SECOND WHITE SPECKS A	164.0	0.10		16.4		16.4		16.4
SECOND WHITE SPECKS B	113.0	0.10		11.3		11.3	0.7	10.6
LEO 036-17W4								
UPPER MANNVILLE A	872.0	0.10		87.2		87.2	18.6	68.6
UPPER MANNVILLE B	442.0	0.03		13.3		13.3	3.7	9.6
UPPER MANNVILLE C	333.0	0.05		16.7		16.7	3.3	13.4
UPPER MANNVILLE D	163.0	0.10		16.3		16.3	5.3	11.0
UPPER MANNVILLE E	481.0	0.03		14.4		14.4	1.9	12.5
LITTLE HORSE 077-12W5								
GILWOOD C	139.0	0.30		42.0		42.0	2.4	39.6
LITTLE SMOKY 067-22W5								
D-3	397.0	0.50		199.0		199.0	176.4	22.6
LOCHEND 027-03W5								
CARDIUM A	11 300.0	0.08		904.0		904.0	411.4	492.6
CARDIUM C	1 000.0	0.01		10.0		10.0	0.5	9.5
CARDIUM D	57.0	0.10		5.7		5.7		5.7
CARDIUM E	350.0	0.01		3.5		3.5	1.2	2.3
CARDIUM F	36.0	0.03		1.1		1.1	0.5	0.6
CARDIUM G	150.0	0.10		15.0		15.0	1.9	13.1
CARDIUM H	141.0	0.10		14.1		14.1	3.6	10.5
CARDIUM I	51.7	0.10		5.2		5.2	3.9	1.3
CARDIUM J	122.0	0.10		12.2		12.2	1.6	10.6
CARDIUM K	219.0	0.05		11.0		11.0	0.7	10.3
VIKING A	461.0	0.10		46.1		46.1	2.0	44.1
LOMOND 018-23W4								
GLAUCONITIC A	116.0	0.10		11.6		11.6	0.7	10.9
ELLERSLIE A	67.1	0.10		6.7		6.7	0.8	5.9
ELLERSLIE B	101.0	0.10		10.1		10.1	0.4	9.7
ELLERSLIE C	82.5	0.10		8.3		8.3	0.1	8.2
SAWTOOTH A	154.0	0.10		15.4		15.4	4.2	11.2
LONE PINE CREEK 030-28W4								
D-2 A	250.0	0.25		62.5		62.5	48.0	14.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
309	5.18	0.043	0.20	0.75	110	834	62	12 200	1 660.2	1950	87 12 - GPP
110	8.08	0.020	0.30	0.80	109	834	63	12 200	1 660.2	1951	83 12 - GPP
128	9.02	0.028	0.30	0.85	109	834	62	12 200	1 593.2	1950	81 12 - GPP
199	8.29	0.033	0.24	0.77	111	834	64	13 070	1 653.5	1964	77 12 - GPP
8 812	10.80	0.100	0.14	0.75	98	825	66	13 070	1 620.0	1947	85 12
751	7.99	0.060	0.13	0.76	85	825	66	13 070	1 653.5	1948	73 12 - GPP
53	5.18	0.080	0.13	0.76	85	825	67	13 070	1 649.6	1950	71 12 - ABAND 71 10
24	8.84	0.080	0.13	0.76	85	825	67	13 070	1 590.1	1949	72 05 - ABAND 66 01
65	10.67	0.090	0.14	0.75	85	825	48	11 620	1 634.6	1967	83 12 - GPP
81	20.91	0.093	0.10	0.73	94	825	61	11 710	1 658.1	1968	76 02 - GPP
65	4.27	0.090	0.19	0.76	103	839	66	11 790	1 702.9	1974	75 11 - GPP
64	4.00	0.065	0.17	0.76	99	847	74	13 000	1 659.2	1984	86 03 - GPP
64	5.50	0.100	0.12	0.76	98	833	66	11 356	1 653.3	1985	85 11 - GPP
64	7.00	0.066	0.20	0.76	99	848	54	11 820	1 690.5	1985	86 03
64	1.70	0.120	0.15	0.76	94	812	67	11 598	1 687.2	1985	86 06 - SUSP 86 01
64	2.30	0.090	0.28	0.76	94	826	63	11 757	1 706.2	1985	86 06
64	6.30	0.080	0.13	0.76	94	838	63	11 166	1 648.9	1985	86 08
64	3.80	0.128	0.35	0.83	75	835	44	7 082	1 287.5	1986	86 10
128	2.93	0.150	0.10	0.70	133	829	59	14 970	1 625.3	1971	79 07 - GPP
64	2.78	0.097	0.20	0.80	65	805	58	9 766	1 606.7	1983	83 11 - SUSP 87 01
233	1.50	0.180	0.25	0.92	36	876	36	5 860	853.7	1952	87 12 - GPP
16	1.83	0.190	0.25	0.89	30	876	43	6 900	1 070.5	1963	68 03 - ABAND 66 06
16	3.20	0.090	0.12	0.80	55	946	44	11 365	1 458.3	1984	85 02 - ABAND 86 11
64	3.00	0.100	0.23	0.69	150	822	71	21 020	2 209.2	1980	85 06
64	5.00	0.120	0.38	0.69	140	823	80	23 352	2 496.5	1980	85 02
64	3.00	0.120	0.29	0.69	140	823	80	22 830	2 432.0	1980	85 02
155	4.80	0.210	0.38	0.90	37	855	39	8 203	1 152.9	1983	86 01
64	6.70	0.156	0.25	0.88	43	855	28	7 960	1 146.4	1974	79 12
128	3.08	0.160	0.40	0.88	51	855	35	6 664	1 164.3	1975	87 07 - GPP
64	1.80	0.220	0.27	0.88	53	844	40	7 983	1 155.8	1977	83 12
64	7.92	0.154	0.30	0.88	45	865	40	7 164	1 141.7	1978	85 12 - GPP
64	3.80	0.113	0.41	0.86	42	831	63	19 939	1 999.4	1986	87 09
97	12.44	0.068	0.18	0.59	205	825	90	27 790	2 660.9	1954	76 12 - GPP
9 984	1.65	0.100	0.10	0.76	109	825	54	25 326	2 244.7	1961	85 09
640	2.22	0.103	0.10	0.76	110	834	52	15 500	2 204.7	1983	85 09
64	2.00	0.100	0.45	0.81	119	834	68	25 100	2 103.8	1983	84 11
128	4.00	0.100	0.10	0.76	110	834	52	25 300	2 204.7	1983	85 09
64	1.32	0.062	0.10	0.76	110	834	52	20 287	2 204.7	1983	85 09
64	3.30	0.110	0.15	0.76	110	848	58	21 537	2 349.7	1981	82 03
64	3.10	0.110	0.10	0.72	125	824	68	18 678	2 221.6	1980	87 04
64	1.30	0.109	0.25	0.76	115	824	57	18 267	2 223.5	1982	82 11
64	3.90	0.080	0.15	0.72	135	824	56	24 978	2 287.7	1983	83 06
64	5.60	0.090	0.15	0.80	94	827	58	20 466	2 171.0	1986	87 09
64	12.00	0.110	0.22	0.70	140	831	70	24 298	2 517.1	1981	82 04
64	1.80	0.180	0.30	0.80	94	857	46	9 810	1 641.0	1985	86 07
64	1.80	0.130	0.44	0.80	95	874	44	14 525	1 599.3	1981	82 09
64	2.75	0.120	0.40	0.80	81	868	44	14 365	1 631.2	1985	85 12 - SUSP 86 10
64	2.20	0.120	0.39	0.80	81	868	44	14 865	1 696.3	1985	85 11
64	4.00	0.150	0.50	0.80	85	868	50	13 694	1 691.5	1984	85 03
275	2.69	0.070	0.22	0.62	155	825	71	22 370	2 373.5	1965	82 05 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LONE PINE CREEK 030-28W4 (CONTINUED)								
D-3 A	2 350.0	<0.02		29.0		29.0	29.0	
LONG COULEE 016-21W4								
GLAUCONITIC A	182.0	0.05		9.1		9.1	2.6	6.5
GLAUCONITIC B	236.0	0.02		4.7		4.7	2.2	2.5
GLAUCONITIC E	61.3	<0.02		0.7		0.7	0.7	
GLAUCONITIC F	111.0	0.10		11.1		11.1	6.8	4.3
GLAUCONITIC G	118.0	0.10		11.8		11.8	4.7	7.1
GLAUCONITIC H	807.0	0.10		80.7		80.7	24.9	55.8
GLAUCONITIC J	29.0	0.10		2.9		2.9	2.7	0.2
GLAUCONITIC N	106.0	<0.02		1.1		1.1	1.1	
GLAUCONITIC O	81.8	<0.01		0.3		0.3	0.3	
GLAUCONITIC P	126.0	0.10		12.6		12.6	11.4	1.2
GLAUCONITIC Q	97.7	0.10		9.8		9.8	1.2	8.6
GLAUCONITIC R	447.0	0.10		44.7		44.7	11.1	33.6
SUNBURST C	265.0	0.02		5.3		5.3	1.3	4.0
SUNBURST E	161.0	<0.01		1.2		1.2	1.1	0.1
SUNBURST F	301.0	0.10		30.1		30.1	1.5	28.6
SUNBURST H	106.0	0.10		10.6		10.6	0.7	9.9
LOON 085-09W5								
SLAVE POINT A TOTAL	5 820.0			175.0	118.3	293.0	159.5	133.5
PRIMARY AREA	2 842.0	0.03		85.3		85.3		
WATER FLOOD AREA	2 978.0	0.03	0.04	89.7	118.3	208.0		
SLAVE POINT C	455.0	0.20		91.0		91.0	11.7	79.3
SLAVE POINT D	78.8	0.05		3.9		3.9	1.4	2.5
SLAVE POINT E	508.0	0.02		10.2		10.2	2.5	7.7
SLAVE POINT G	6 611.0	0.15		992.0		992.0	76.9	915.1
GRANITE WASH A	630.0	0.20		126.0		126.0	99.3	26.7
GRANITE WASH B	800.0	0.20		160.0		160.0	64.8	95.2
GRANITE WASH C	107.0	0.20		21.4		21.4	8.0	13.4
GRANITE WASH D	194.0	0.20		38.8		38.8	3.9	34.9
GRANITE WASH E	1 864.0	0.25		466.0		466.0	43.7	422.3
GRANITE WASH H	149.0	0.20		29.8		29.8	1.5	28.3
GRANITE WASH I	162.0	0.10		16.2		16.2	1.0	15.2
GRANITE WASH J	758.0	0.25		190.0		190.0	56.1	133.9
LOUSANA 036-21W4								
D-2	413.0	0.33		137.0		137.0	117.2	19.8
LUBICON 087-10W5								
GRANITE WASH B	420.0	0.25		105.0		105.0	30.1	74.9
GRANITE WASH C	320.0	0.20		64.0		64.0	39.8	24.2
MALMO 043-22W4								
BLAIRMORE A	1 270.0	0.15		191.0		191.0	184.0	7.0
ELLERSLIE C	142.0	0.15		21.3		21.3		21.3
D-2 A	2 570.0	0.45		1 160.0		1 160.0	1 128.9	31.1
D-3 A	1 600.0	0.50		800.0		800.0	750.4	49.6
D-3 C	70.7	<0.02		0.8		0.8	0.8	
D-3 D	480.0	<0.01		1.0		1.0	1.0	
MANIR 072-03W6								
CHARLIE LAKE A	1 719.0	0.15		258.0		258.0		258.0
MANITO 042-20W4								
GLAUCONITIC A	167.0	<0.01		1.5		1.5	1.5	
ELLERSLIE A,B,C&D	653.0	<0.01		0.4		0.4	0.4	
MANOLA 059-02W5								
LOWER MANNVILLE E	861.0	0.10		86.1		86.1	5.0	81.1
LOWER MANNVILLE F	410.0	0.10		41.0		41.0	10.6	30.4
MANYBERRIES 005-05W4								
SUNBURST A	500.0	0.18		90.0		90.0	76.1	13.9
SUNBURST B	1 320.0	0.15		198.0		198.0	173.0	25.0
SUNBURST C	685.0	0.25		171.0		171.0	131.0	40.0
SUNBURST J	281.0	0.10		28.1		28.1	18.9	9.2
SUNBURST L	147.0	<0.02		2.4		2.4	2.4	
SUNBURST O	2 400.0	0.12		288.0		288.0	129.9	158.1
SUNBURST Q	4 000.0	0.15		600.0		600.0	255.7	344.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
1 616	3.96	0.080	0.15	0.54	237	806	82	22 820	2 441.8	1963	82 12 - GPP
64	3.00	0.180	0.38	0.85	60	900	39	12 647	1 415.2	1982	86 12
64	3.00	0.190	0.19	0.80	96	846	38	11 472	1 404.0	1982	86 12
64	1.10	0.160	0.32	0.80	94	834	46	10 554	1 504.4	1983	84 06 - ABAND 87 07
64	2.00	0.150	0.28	0.80	94	834	46	7 553	1 506.5	1984	84 10
64	2.30	0.150	0.33	0.80	94	854	46	10 332	1 470.2	1982	84 12
320	2.92	0.150	0.28	0.80	94	838	46	12 140	1 454.6	1985	86 04
64	0.60	0.160	0.41	0.80	94	858	46	11 363	1 539.2	1986	87 03
64	2.44	0.150	0.50	0.90	39	829	38	13 410	1 412.4	1977	83 12 - SUSP 81 08
65	2.44	0.160	0.60	0.81	84	876	48	13 950	1 548.0	1976	79 08 - SUSP 78 11
64	2.00	0.170	0.30	0.83	80	848	43	13 568	1 505.7	1983	83 11
64	1.62	0.172	0.34	0.83	80	848	43	10 753	1 512.2	1983	84 09
192	2.09	0.170	0.22	0.84	66	865	41	11 218	1 491.3	1980	87 07
65	4.27	0.200	0.40	0.80	83	860	43	13 510	1 451.5	1974	82 12
64	4.50	0.140	0.50	0.80	95	860	43	13 500	1 484.3	1982	82 07 - ABAND 84 07
64	7.00	0.200	0.60	0.84	68	844	38	13 730	1 517.1	1979	84 05
64	1.52	0.200	0.35	0.84	67	860	45		1 342.8	1976	77 12
1 920					24	820	48	15 130	1 415.2	1966	87 11
704	10.98	0.065	0.35	0.87							
1 216	7.62	0.053	0.30	0.87							- GPP
200	5.66	0.066	0.30	0.87	44	820	45	4 700	1 369.6	1984	86 10
64	4.50	0.050	0.37	0.87	45	820	44	13 883	1 372.7	1980	85 03
64	11.40	0.090	0.15	0.91	29	827	44	14 171	1 381.4	1983	87 12
1 280	12.48	0.071	0.33	0.87	44	830	44	14 602	1 320.7	1985	87 09
652	1.25	0.127	0.30	0.87	51	820	77	16 510	1 526.4	1965	87 10 - GPP
270	3.46	0.160	0.37	0.85	55	828	45	15 905	1 484.2	1982	85 10
64	2.40	0.120	0.32	0.85	51	845	49	16 208	1 571.9	1985	85 02
64	3.40	0.150	0.30	0.85	64	830	42	16 933	1 469.5	1982	83 04
640	3.38	0.157	0.37	0.87	48	835	36	15 314	1 425.0	1985	87 12
64	3.00	0.150	0.40	0.86	51	821	49	16 152	1 538.5	1985	85 10
64	3.00	0.160	0.38	0.85	55	829	48	16 440	1 490.3	1986	87 07
256	3.35	0.154	0.34	0.87	51	825	49	16 560	1 488.5	1986	87 09
203	4.08	0.069	0.14	0.84	55	839	70	14 580	1 787.7	1960	63 10 - GPP
73	4.22	0.220	0.27	0.85	60	834	34	15 477	1 451.0	1963	86 12
60	3.39	0.233	0.21	0.85	60	834	44	15 899	1 440.2	1963	86 12
203	4.08	0.252	0.24	0.80	78	825	56	10 170	1 436.5	1952	81 12
64	2.00	0.240	0.45	0.84	69	843	55		1 401.0	1987	87 12
573	15.30	0.047	0.20	0.78	95	834	57	11 510	1 544.1	1952	86 12 - GPP
220	15.54	0.070	0.12	0.76	111	834	58	14 860	1 609.6	1952	83 12 - GPP
65	2.44	0.067	0.12	0.76	111	829	56	14 860	1 630.4	1965	73 02 - SUSP 69 08
64	16.90	0.074	0.25	0.80	70	886	50	12 493	1 640.9	1979	84 12 - SUSP 84 07
384	7.05	0.120	0.37	0.84	56	873	50		1 690.3	1987	87 12
64	2.80	0.160	0.30	0.83	70	850	41	9 039	1 265.6	1980	81 02 - SUSP 82 07
64	9.20	0.190	0.27	0.80	47	856	42	9 390	1 297.2	1980	83 07 - SUSP 83 12
320	3.19	0.170	0.43	0.87	55	891	37	8 274	1 077.4	1985	86 04
192	2.69	0.180	0.49	0.87	55	891	37	8 322	1 083.6	1984	85 12
192	1.93	0.210	0.30	0.92	66	834	36	9 000	1 122.4	1962	86 07
519	2.14	0.200	0.30	0.85	71	829	61	9 070	1 227.1	1955	84 11
420	1.19	0.250	0.37	0.87	66	839	34	8 990	1 119.2	1967	86 12 - GPP
183	1.12	0.230	0.30	0.85	51	883	37	8 960	1 158.2	1963	84 03
65	1.52	0.270	0.35	0.85	53	855	37	8 950	1 270.4	1972	75 12 - SUSP 75 10
324	6.55	0.200	0.35	0.87	71	839	35	8 960	1 080.5	1971	86 07
684	6.22	0.180	0.40	0.87	57	838	32	99 217	1 079.5	1977	87 08

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MANYBERRIES 005-05W4 (CONTINUED)								
SUNBURST U	419.0	0.10		41.9		41.9	22.8	19.1
SUNBURST AA	288.0	0.10		28.8		28.8	3.7	25.1
SUNBURST CC	90.5	0.10		9.1		9.1	0.6	8.5
SUNBURST FF	522.0	<0.01		0.3		0.3	0.3	
SUNBURST HH	450.0	0.05		23.0		23.0	1.1	21.9
SUNBURST II	149.0	0.10		14.9		14.9	4.3	10.6
SUNBURST JJ	1 600.0	0.18		288.0		288.0	181.1	106.9
SUNBURST KK	1 500.0	0.12		180.0		180.0	105.8	74.2
SUNBURST LL	547.0	0.25		137.0		137.0	45.1	91.9
SUNBURST MM	585.0	0.15		87.8		87.8	6.3	81.5
SUNBURST NN	54.1	0.15		8.2		8.2	3.6	4.6
SUNBURST OO	1 700.0	0.15		255.0		255.0	101.3	153.7
SWIFT B	666.0	0.15		99.9		99.9	6.9	93.0
MARKERVILLE 036-02W5								
VIKING A	100.0	0.20		20.0		20.0	17.8	2.2
VIKING B	105.0	<0.01		0.3		0.3	0.3	
VIKING C	83.9	0.10		8.4		8.4		8.4
PEKISKO B	320.0	<0.01		0.4		0.4	0.4	
MARLBORO 055-19W5								
GETHING A	273.0	<0.01		1.2		1.2	1.2	
GETHING B	165.0	<0.01		0.3		0.3	0.3	
MATZIWIN 023-14W4								
GLAUCONITIC A	1 800.0	0.03		54.0		54.0	28.7	25.3
GLAUCONITIC B	187.0	0.10		18.7		18.7	2.2	16.5
LOWER MANNVILLE D	112.0	0.10		11.2		11.2	3.5	7.7
LOWER MANNVILLE E	498.0	0.10		49.8		49.8	2.6	47.2
PEKISKO C	87.7	0.10		8.8		8.8	2.2	6.6
MCLEANS CREEK 074-21W5								
GILWOOD A	303.0	0.15		45.4		45.4	8.9	36.5
GILWOOD B	400.0	0.20		80.0		80.0	0.6	79.4
GILWOOD D	86.3	0.20		17.3		17.3	1.9	15.4
MCLEOD 056-14W5								
CARDIUM A	213.0	0.15		32.0		32.0	22.2	9.8
GETHING E	119.0	0.10		11.9		11.9	0.6	11.3
MEDICINE RIVER 039-03W5								
CARDIUM A	82.6	0.02		1.7		1.7	0.3	1.4
CARDIUM B	154.0	0.08		12.3		12.3	2.4	9.9
VIKING A	63.6	<0.06		3.5		3.5	3.5	
VIKING D TOTAL	3 400.0			680.0	234.9	915.0	414.5	500.5
PRIMARY AREA	1 834.0	0.20		367.0		367.0		
WATER FLOOD AREA	1 566.0	0.20	0.15	313.2	234.9	548.0		
VIKING M	334.0	0.15		50.1		50.1	28.6	21.5
VIKING N	62.7	0.10		6.3		6.3	1.6	4.7
GLAUCONITIC A TOTAL	11 860.0			1 116.0	1 158.0	2 275.0	1 715.9	559.1
PRIMARY AREA	2 090.0	0.11		230.0		230.0		
WATER FLOOD AREA	9 770.0	<0.11	0.11	886.6	1 158.0	2 045.0		
GLAUCONITIC H	228.0	<0.01		0.5		0.5	0.5	
GLAUC D & OSTRACOD A TOTAL	2 181.0			327.3	197.0	524.3	341.1	183.2
PRIMARY AREA	1 195.0	0.15		179.3		179.3		
WATER FLOOD AREA	986.0	0.15	0.20	148.0	197.0	345.0		
OSTRACOD B	461.0	0.20		92.2		92.2	60.9	31.3
OSTRACOD C	583.0	<0.15		83.8		83.8	83.8	
OSTRACOD P	470.0	<0.01		0.5		0.5	0.5	
OSTRACOD R	63.6	<0.03		1.4		1.4	1.4	
OSTRACOD S	111.0	0.10		11.1		11.1	10.7	0.4
OSTRACOD W	364.0	0.20		72.8		72.8	50.5	22.3
OSTRACOD Y	53.7	0.10		5.4		5.4	0.7	4.7
BASAL QUARTZ B TOTAL	5 750.0			575.0	74.5	650.0	326.8	323.2
PRIMARY AREA	4 260.0	0.10		426.0		426.0		
WATER FLOOD AREA	1 490.0	0.10	0.05	149.0	74.5	224.0		
BASAL QUARTZ C	65.5	<0.01		0.5		0.5	0.5	
BASAL QUARTZ D	393.0	<0.05		18.7		18.7	18.7	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	4.00	0.250	0.23	0.85	66	830	36	9 017	1 027.0	1980	81 02
64	6.50	0.140	0.45	0.90	32	824	40	9 625	1 216.5	1984	84 11 - GPP
32	2.10	0.220	0.28	0.85	32	824	33	8 729	1 145.0	1971	84 11
128	1.03	0.640	0.27	0.85	60	838	33	8 326	1 091.0	1984	85 09 - SUSP 85 11
128	3.62	0.180	0.38	0.87	50	837	34	9 046	1 076.0	1984	86 11
64	2.00	0.195	0.38	0.96	14	837	35	9 087	1 064.1	1984	85 11
306	4.51	0.200	0.37	0.92	28	834	40	9 156	1 127.0	1970	86 07
550	2.97	0.170	0.38	0.87	57	839	32	9 046	1 071.6	1970	86 07
257	1.32	0.260	0.32	0.91	66	839	34	9 347	1 119.2	1967	86 12
128	4.60	0.170	0.33	0.87	57	838	32	6 528	1 071.3	1986	87 10
32	1.80	0.150	0.28	0.87	57	831	32	5 977	1 099.8	1986	87 03
388	4.66	0.180	0.40	0.87	57	838	32	9 190	1 054.8	1977	87 08
64	7.80	0.216	0.29	0.87	57	838	32		1 059.6	1986	87 09
167	1.84	0.070	0.38	0.75	102	833	66	12 810	1 902.6	1977	85 04 - GPP
64	3.10	0.120	0.41	0.75	95	852	63	9 620	1 905.3	1977	83 12 - ABAND 82 10
64	2.00	0.120	0.35	0.84	51	840	71	12 827	1 920.3	1985	86 07
64	19.80	0.050	0.36	0.79	79	879	74	14 701	2 217.3	1980	81 08 - ABAND 83 04
65	7.32	0.120	0.20	0.60	239	825	97	35 120	2 802.0	1969	74 05 - ABAND 70 09
65	4.27	0.120	0.17	0.60	239	820	68	34 870	2 765.5	1970	73 02 - SUSP 71 06
445	4.55	0.190	0.45	0.85	68	883	32	9 727	998.1	1983	86 12 - GPP
64	4.30	0.160	0.50	0.85	64	880	32	9 625	1 004.5	1985	85 11
64	1.70	0.190	0.36	0.85	62	887	32	9 319	1 013.2	1983	84 02
128	4.46	0.180	0.43	0.85	60	850	35	9 731	1 012.5	1986	86 11
64	5.00	0.050	0.34	0.83	67	847	43	10 300	1 015.5	1986	86 11
128	2.85	0.148	0.37	0.89	32	838	58	26 990	2 528.2	1985	87 09
64	6.30	0.200	0.43	0.87	31	847	89	26 905	2 531.7	1986	87 09
64	2.54	0.122	0.50	0.13	36	854	86	10 860	2 587.4	1986	87 12
72	5.02	0.100	0.30	0.84	62	834	53	9 060	1 497.2	1976	84 12 - GPP
69	2.90	0.120	0.37	0.85	52	883	72	13 662	2 023.2	1985	87 03
64	1.52	0.124	0.10	0.75	106	898	49	19 240	1 658.4	1963	84 12
65	2.44	0.160	0.09	0.67	167	898	62	20 990	1 848.0	1965	85 07
130	1.07	0.100	0.32	0.67	160	844	91	20 000	1 931.8	1963	71 05 - SUSP 68 06
3 405					130	813	52	14 639	1 875.8	1962	87 07
1 840	1.57	0.116	0.27	0.75							
1 565	1.58	0.116	0.27	0.75							
320	1.88	0.100	0.27	0.76	110	814	65	13 768	1 764.4	1984	86 09
64	2.00	0.100	0.30	0.70	130	813	52	14 857	1 888.3	1984	85 04 - SUSP 86 04
4 340					244	839	64	26 270	2 268.9	1964	87 05
705	4.19	0.140	0.21	0.64							
3 635	4.18	0.130	0.25	0.66							
64	7.00	0.100	0.25	0.68	159	840	73	14 878	2 054.3	1979	86 12 - ABAND 84 06
1 435					101	887	67	26 200	2 080.8	1963	87 08
878	1.54	0.160	0.20	0.69							87 08
557	2.29	0.140	0.20	0.69							
360	1.83	0.130	0.22	0.69	148	849	68	19 370	2 182.5	1963	85 04
117	5.30	0.171	0.20	0.69	153	839	72	20 221	2 298.2	1964	77 12 - SUSP 84 08
65	10.97	0.120	0.20	0.69	155	855	59	16 150	2 206.1	1972	74 06 - ABAND 73 09
65	1.52	0.120	0.25	0.72	133	870	68	17 440	2 283.3	1974	76 12 - ABAND 75 06
98	1.83	0.110	0.25	0.75	110	849	57	19 410	2 166.8	1974	77 12
150	3.11	0.130	0.20	0.75	119	860	71	20 170	2 281.4	1965	85 12 - GPP
64	1.70	0.100	0.35	0.76	110	877	57	17 078	2 053.5	1983	84 05 - GPP
1 352					88	892	70	16 270	2 147.9	1959	82 12
998	5.15	0.138	0.24	0.79							
354	4.94	0.140	0.23	0.79							
32	2.44	0.140	0.24	0.78	74	892	66	15 690	2 130.2	1962	65 01 - ABAND 63 08
129	2.99	0.167	0.24	0.80	74	892	68	15 510	2 099.5	1963	83 12 - ABAND 83 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MEDICINE RIVER 039-03W5 (CONTINUED)								
BASAL QUARTZ F	138.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ G WATER FLOOD	566.0	<0.04	0.04	21.6	22.6	44.2	44.2	
BASAL QUARTZ H	159.0	0.10		15.9		15.9	13.2	2.7
BASAL QUARTZ I	262.0	0.13		34.0		34.0	30.2	3.8
BASAL QUARTZ J	556.0	0.08		44.5		44.5	24.9	19.6
BASAL QUARTZ K	132.0	0.15		19.8		19.8	18.4	1.4
BASAL QUARTZ Y	199.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ BB	134.0	0.10		13.4		13.4	8.3	5.1
JURASSIC A WATER FLOOD	5 150.0	0.16	0.19	823.0	979.0	1 800.0	1 693.8	106.2
JURASSIC B	1 160.0	0.15		177.0		177.0	158.6	18.4
JURASSIC C TOTAL	9 000.0			1 350.0	1 657.0	3 007.0	1 558.8	1 448.2
PRIMARY AREA	714.0	0.15		107.1		107.1		
WATER FLOOD AREA	8 286.0	0.15	0.20	1 243.0	1 657.0	2 900.0		
JURASSIC D TOTAL	8 627.0			1 463.0	1 700.0	3 163.0	1 699.5	1 463.5
PRIMARY AREA	487.0	0.17		82.8		82.8		
WATER FLOOD AREA	8 140.0	0.17	0.21	1 380.0	1 700.0	3 080.0		
JURASSIC E	281.0	0.15		42.2		42.2	36.8	5.4
JURASSIC K	721.0	0.12		86.5		86.5	72.9	13.6
JURASSIC L	128.0	0.03		3.8		3.8	2.7	1.1
JURASSIC N	62.1	<0.01		0.3		0.3	0.3	
JURASSIC O	128.0	0.15		19.2		19.2	4.4	14.8
ELKTON-SHUNDA A	318.0	<0.04		12.0		12.0	12.0	
ELKTON-SHUNDA C	520.0	0.10		52.0		52.0	42.1	9.9
ELKTON-SHUNDA D	165.0	<0.01		0.3		0.3	0.3	
SHUNDA A	221.0	<0.01		1.8		1.8	1.8	
PEKISKO B WATER FLOOD	869.0	0.15	0.05	130.0	43.5	174.0	125.8	48.2
PEKISKO C TOTAL	2 180.0			71.7	64.5	136.0	108.7	27.3
PRIMARY AREA	885.0	<0.01		7.2		7.2		
WATER FLOOD AREA	1 290.0	0.05	0.05	64.5	64.5	129.0		
PEKISKO D	91.2	0.10		9.1		9.1	6.4	2.7
PEKISKO E TOTAL	3 520.0			352.0	453.0	805.0	517.0	288.0
PRIMARY AREA	501.0	0.10		50.1		50.1		
WATER FLOOD AREA	3 020.0	0.10	0.15	302.0	453.0	755.0		
PEKISKO G	184.0	<0.01		0.2		0.2	0.2	
PEKISKO H	238.0	<0.02		2.7		2.7	2.7	
PEKISKO I	6 360.0	0.21		1 330.0		1 330.0	910.1	419.9
PEKISKO K	180.0	0.12		21.6		21.6	17.3	4.3
PEKISKO N	5 000.0	0.15		750.0		750.0	247.9	502.1
PEKISKO R	1 320.0	0.15		197.0		197.0	118.6	78.4
PEKISKO S	244.0	0.15		36.6		36.6	9.2	27.4
PEKISKO U	311.0	0.10		31.1		31.1		31.1
BANFF A	14.2	<0.01		0.1		0.1	0.1	
NISKU A	1 000.0	0.40		400.0		400.0	9.6	390.4
D-3 A	453.0	0.30		136.0		136.0	20.9	115.1
D-3 B	263.0	0.30		78.9		78.9	1.7	77.2
D-3 C	152.0	0.30		45.6		45.6	4.9	40.7
D-3 D	1 446.0	0.30		434.0		434.0	15.5	418.5
MEEKWAP 066-15W5								
D-2 A TOTAL	11 670.0			2 334.0	2 328.0	4 662.0	3 345.4	1 316.6
PRIMARY AREA	1 970.0	0.20		394.0		394.0		
WATER FLOOD AREA	9 700.0	0.20	0.24	1 940.0	2 328.0	4 268.0		
D-2 B	175.0	0.30		52.5		52.5	27.3	25.2
D-2 C	96.3	<0.01		0.1		0.1	0.1	
D-2 D	334.0	0.10		33.4		33.4	24.0	9.4
D-2 E	178.0	0.10		17.8		17.8	2.5	15.3
D-2 F	432.0	0.07		30.2		30.2	15.8	14.4
MELLOWDALE 060-03W5								
LOWER MANNVILLE B	1 470.0	0.10		147.0		147.0	32.1	114.9
MICHICHI 031-17W4								
UPPER MANNVILLE A	126.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE A	499.0	0.10		49.9		49.9	17.5	32.4
LOWER MANNVILLE B	270.0	0.02		5.4		5.4	2.4	3.0
LOWER MANNVILLE I	806.0	0.10		80.6		80.6	7.0	73.6
LOWER MANNVILLE K	217.0	0.15		32.6		32.6	0.4	32.2
OSTRACOD B	220.0	0.10		22.0		22.0	0.2	21.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
64	1.83	0.200	0.25	0.78	76	898	68	16 480	2 158.9	1963	64 12 - ABAND 66 10
65	11.22	0.130	0.25	0.80	74	910	66	15 580	2 140.0	1963	83 12 - SUSP 82 03
32	6.40	0.130	0.25	0.79	76	898	66	16 270	2 178.4	1963	63 10 - GPP
64	5.22	0.140	0.30	0.80	78	898	66	16 550	2 225.0	1962	81 12 - GPP
64	10.47	0.140	0.25	0.79	89	898	66	17 000	2 217.7	1971	87 12 - GPP
121	1.52	0.130	0.30	0.79	76	892	68	18 400	2 172.6	1965	81 12 - GPP
65	5.18	0.096	0.22	0.79	87	898	66	16 130	2 239.4	1974	75 11 - SUSP 75 09
64	3.50	0.100	0.20	0.75	112	866	74	20 305	2 363.0	1980	80 05
1 289	4.69	0.142	0.25	0.80	90	887	63	16 000	2 153.1	1956	75 08
303	5.03	0.132	0.27	0.79	88	887	69	16 000	2 135.4	1961	86 12 - GPP
1 689					84	892	63	16 410	2 182.4	1961	86 08
270	3.73	0.132	0.32	0.79							
1 419	8.00	0.138	0.33	0.79							
721					83	887	68	16 200	2 141.2	1962	87 12
32	17.50	0.145	0.25	0.80							
689	14.11	0.145	0.25	0.77							- GPP
64	7.01	0.110	0.25	0.76	94	887	70	16 790	2 197.9	1962	83 12 - GPP
160	5.85	0.130	0.25	0.79	86	892	66	19 030	2 175.1	1974	85 12
64	3.00	0.110	0.17	0.73	130	803	99	15 472	2 148.8	1980	81 11 - GPP
64	2.40	0.070	0.25	0.77	105	888	69	12 397	2 146.7	1980	83 05 - ABAND 85 06
64	2.40	0.150	0.28	0.77	105	871	69	17 300	2 292.3	1985	87 01
64	7.21	0.100	0.18	0.84	75	915	71	17 000	2 248.2	1962	83 12 - SUSP 77 08
65	12.50	0.098	0.20	0.82	77	876	49	18 330	2 328.4	1974	75 05
64	6.06	0.083	0.39	0.84	74	913	71	18 300	2 313.3	1985	86 07 - ABAND 86 06
65	5.18	0.110	0.20	0.75	121	910	77	18 640	2 290.0	1972	74 12 - SUSP 74 10
196	5.61	0.119	0.16	0.79	62	898	70	16 340	2 161.9	1959	84 12 - GPP
362					62	898	69	16 200	2 156.2	1961	83 12 - GPP
128	15.79	0.072	0.22	0.78							
234	12.55	0.072	0.22	0.78							
32	4.88	0.087	0.15	0.79	62	898	68	16 070	2 152.2	1961	82 12 - GPP
654					75	887	71	16 240	2 194.0	1963	86 05
64	11.40	0.110	0.22	0.80							
590	7.86	0.098	0.17	0.80							- GPP
64	7.62	0.060	0.29	0.88	44	972	70	14 580	2 155.5	1964	64 12 - ABAND 71 10
65	13.78	0.050	0.34	0.81	62	904	71	16 030	2 144.6	1964	68 03 - ABAND 70 09
928	10.45	0.100	0.18	0.80	88	898	71	16 890	2 207.7	1954	77 12 - GPP
65	7.89	0.053	0.18	0.81	62	898	71	16 240	2 188.5	1965	87 12 - GPP
1 002	8.00	0.100	0.22	0.80	74	844	82	16 320	2 139.3	1963	82 06
264	6.61	0.110	0.15	0.81	74	892	73	16 480	2 147.9	1973	78 06
32	7.00	0.160	0.16	0.81	76	896	69	16 236	2 197.9	1984	84 12
64	9.40	0.090	0.29	0.81	74	892	73		2 157.6	1984	87 10
64	1.10	0.030	0.20	0.84	62	839	67	24 749	2 338.9	1985	86 04 - SUSP 86 05
129	24.85	0.056	0.13	0.64	160	812	31	24 128	2 929.5	1985	86 11
64	13.13	0.077	0.09	0.77	128	817	88	20 074	3 112.6	1985	86 03
64	8.80	0.073	0.10	0.71	125	826	83	19 878	3 101.1	1985	86 07
64	5.70	0.060	0.10	0.77	115	834	85	17 514	2 904.3	1986	86 07
64	37.50	0.086	0.09	0.77	125	821	88	19 500	3 117.0	1986	87 03
2 708					120	844	80	20 770	2 374.8	1966	87 12
612	7.44	0.074	0.21	0.74							
2 096	8.66	0.085	0.15	0.74							
64	11.24	0.038	0.20	0.80				19 944	2 325.3	1971	75 12
64	4.30	0.054	0.20	0.81	66	857	83	14 519	2 310.7	1980	83 12 - SUSP 82 11
64	9.26	0.087	0.20	0.81	71	844	83	15 018	2 312.2	1971	83 12 - GPP
64	7.10	0.069	0.30	0.81				21 423	2 333.6	1973	83 12
128	9.31	0.070	0.30	0.74	119	845	80	15 017	2 369.9	1982	86 12
461	3.06	0.200	0.40	0.87	45	892	35	8 252	1 112.6	1983	85 01
64	2.00	0.180	0.40	0.91	39	866	32	9 501	1 288.0	1981	83 12 - SUSP 85 05
128	3.21	0.240	0.39	0.83	66	859	42	9 502	1 354.4	1982	84 02 - GPP
64	5.48	0.160	0.42	0.83	64	854	40	8 030	1 326.0	1982	86 09 - GPP
192	3.69	0.190	0.32	0.88	50	883	36	9 052	1 309.7	1985	86 11
64	3.30	0.180	0.33	0.85	62	860	36	9 810	1 283.2	1986	87 01 - GPP
64	3.00	0.230	0.40	0.83	64	832	44	9 915	1 344.0	1983	84 04 - SUSP 86 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MICHICHI 031-17W4 (CONTINUED)								
BANFF A	860.0	0.07		60.2	ERSO	60.2	41.1	19.1
BANFF C	356.0	0.10		35.6		35.6	8.3	27.3
BANFF D	2 595.0	0.10		260.0		260.0	20.9	239.1
BANFF E	321.0	0.10		32.1		32.1	1.4	30.7
BANFF F	269.0	0.10		26.9		26.9	2.9	24.0
BANFF G	123.0	0.05		6.0		6.0	2.3	3.7
BANFF H	366.0	0.05		18.0		18.0	10.9	7.1
BANFF I	87.6	0.10		8.8		8.8	3.8	5.0
BANFF O	146.0	0.15		21.9		21.9	0.2	21.7
MIKWAN 037-23W4								
VIKING C	65.9	0.10		6.6		6.6	1.0	5.6
VIKING D	17.3	<0.05		0.8		0.8	0.8	
UPPER MANNVILLE F	1 340.0	0.01		13.4		13.4	5.5	7.9
UPPER MANNVILLE G	193.0	0.10		19.3		19.3	3.9	15.4
UPPER MANNVILLE H	341.0	0.10		34.1		34.1	13.0	21.1
LOWER MANNVILLE H	63.5	0.10		6.4		6.4	3.1	3.3
LOWER MANNVILLE J	698.0	0.10		69.8		69.8	13.4	56.4
D-2 A	544.0	0.20		109.0		109.0	84.0	25.0
D-2 B	553.0	0.20		111.0		111.0	61.6	49.4
D-2 C	290.0	0.10		29.0		29.0	12.2	16.8
D-2 D	262.0	0.20		52.4		52.4	15.7	36.7
D-2 E	155.0	0.20		31.0		31.0	2.3	28.7
D-2 F	149.0	0.20		29.8		29.8	8.1	21.7
D-2 G	30.1	0.20		6.0		6.0		6.0
D-3 A	339.0	0.04		13.6		13.6	9.0	4.6
D-3 B	645.0	0.20		129.0		129.0	48.3	80.7
D-3 C	166.0	<0.01		0.4		0.4	0.4	
MINEHEAD 048-18W5								
BELLY RIVER A	236.0	0.15		35.4		35.4	1.7	33.7
CARDIUM A	350.0	0.15		52.5		52.5	5.2	47.3
MINNEHIK-BUCK LAKE 045-05W5								
BELLY RIVER A	215.0	0.10		21.5		21.5	9.1	12.4
BELLY RIVER B	238.0	0.10		23.8		23.8	5.2	18.6
BELLY RIVER C	676.0	0.15		101.0		101.0	18.6	82.4
BELLY RIVER E	250.0	0.10		25.0		25.0	9.2	15.8
BELLY RIVER F	538.0	0.10		53.8		53.8	17.0	36.8
BELLY RIVER G	704.0	0.01		7.0		7.0	3.1	3.9
BELLY RIVER J	182.0	0.10		18.2		18.2	2.9	15.3
BELLY RIVER K	102.0	<0.01		0.1		0.1	0.1	
CARDIUM A	181.0	0.08		14.5		14.5	10.9	3.6
CARDIUM E	102.0	0.10		10.2		10.2	0.7	9.5
CARDIUM J	5 670.0	0.06		340.0		340.0	122.1	217.9
CARDIUM L	627.0	0.05		31.4		31.4	13.4	18.0
CARDIUM N	93.3	<0.01		0.3		0.3	0.3	
CARDIUM O	55.6	<0.01		0.1		0.1		0.1
CARDIUM P	61.4	<0.01		0.1		0.1	0.1	
VIKING A	265.0	<0.01		0.7		0.7	0.7	
VIKING C	148.0	0.10		14.8		14.8	8.6	6.2
VIKING D	124.0	0.10		12.4		12.4	0.7	11.7
VIKING E	42.2	0.10		4.2		4.2	2.9	1.3
VIKING F	42.6	0.20		8.5		8.5	2.5	6.0
VIKING H	68.2	0.20		13.6		13.6	13.6	
VIKING I	64.9	0.15		9.7		9.7	3.5	6.2
OSTRACOD A	774.0	0.20		149.0		149.0	89.2	59.8
OSTRACOD B	66.7	0.15		10.0		10.0	5.5	4.5
OSTRACOD G	167.0	0.15		25.1		25.1	18.7	6.4
OSTRACOD H	78.9	0.15		11.8		11.8	3.7	8.1
OSTRACOD E & F	136.0	0.10		13.6		13.6	1.5	12.1
JURASSIC B	82.8	0.05		4.1		4.1	0.6	3.5
BANFF A	198.0	0.10		19.8		19.8	0.1	19.7
D-2 A	277.0	<0.01		1.1		1.1	1.1	
MITSUE 071-04W5								
GILWOOD A TOTAL	121 700.0			30 080.0	30 770.0	60 850.0	43 102.9	17 747.1
PRIMARY AREA	4 986.0	<0.20		877.0		877.0		
SOLVENT FLOOD AREA	52 000.0	0.25	0.38	13 000.0	19 760.0	32 760.0		
WATER FLOOD AREA	64 690.0	0.25	0.17	16 200.0	11 010.0	27 210.0		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m3/m3	kg/m3	°C	kPa	m		
417	8.45	0.042	0.30	0.83	61	854	40	9 413	1 330.9	1985	87 12
128	15.18	0.030	0.29	0.86	55	880	45	9 382	1 359.6	1985	86 03
641	12.00	0.063	0.37	0.85	61	875	42	9 598	1 319.4	1985	87 08
64	4.00	0.200	0.23	0.86	55	860	40	9 525	1 332.1	1986	86 07
64	16.80	0.068	0.60	0.92	28	880	42	4 700	1 312.8	1986	86 10
64	8.91	0.040	0.35	0.83	70	870	45	9 554	1 337.8	1985	86 12 - GPP
64	19.69	0.050	0.30	0.83		854	40	9 290	1 341.7	1985	86 12
64	5.50	0.050	0.40	0.83		862	40	8 932	1 326.7	1984	87 12
64	12.90	0.040	0.48	0.85	61	870	42	9 120	1 351.0	1986	87 11
64	2.00	0.090	0.35	0.88	44	839	53	6 683	1 380.0	1980	81 05 - GPP
64	0.92	0.070	0.50	0.84	69	839	42	8 140	1 448.3	1977	78 10 - ABAND 85 06
128	7.34	0.180	0.11	0.89	40	892	50	8 428	1 648.4	1979	82 04
64	2.30	0.220	0.30	0.85	59	819	46	9 304	1 488.3	1980	81 07
128	2.63	0.170	0.33	0.89	40	901	43	9 183	1 473.3	1980	83 04
64	1.00	0.170	0.27	0.80	110	797	44	8 856	1 539.0	1980	84 05 - GPP
128	5.50	0.150	0.26	0.90	35	873	47	6 484	1 534.0	1983	84 11 - GPP
255	5.29	0.080	0.31	0.73	124	844	64	15 390	1 824.7	1970	84 12
128	8.63	0.089	0.25	0.75	100	833	64	14 018	1 788.7	1979	82 05
128	6.01	0.067	0.25	0.75	110	830	62	13 612	1 756.3	1978	85 12
64	7.30	0.090	0.17	0.75	105	822	47	13 281	1 757.7	1983	84 12
64	6.40	0.080	0.37	0.75	100	838	57	12 850	1 815.0	1985	85 10
128	3.30	0.055	0.22	0.82	70	860	54	13 406	1 811.3	1985	87 08
64	1.20	0.060	0.13	0.75	80	901	74	15 699	1 995.2	1984	86 03
224	2.99	0.090	0.25	0.75	106	865	63	15 600	1 848.0	1971	84 12 - GPP
64	13.00	0.120	0.15	0.76	100	852	76	13 824	1 819.5	1979	80 01
64	3.60	0.120	0.25	0.80	100	877	61	13 341	1 894.5	1985	86 03 - ABAND 87 05
64	7.40	0.100	0.40	0.83	62	828	76	10 506	1 966.6	1986	87 02
64	6.70	0.160	0.15	0.60	210	816	74	24 951	2 562.8	1968	85 06
65	3.66	0.160	0.32	0.83	74	825	46	9 560	1 191.8	1973	78 10
64	5.60	0.150	0.48	0.85	67	845	46	8 941	1 205.7	1980	81 07
129	6.44	0.140	0.30	0.83	74	845	46	8 717	1 255.6	1981	85 07
64	5.00	0.157	0.40	0.83	74	844	50	7 377	1 176.0	1981	82 08
64	9.00	0.150	0.25	0.83	65	848	52	9 208	1 233.8	1982	83 05
64	13.00	0.150	0.32	0.83	65	848	52	9 315	1 178.2	1983	86 12
64	4.00	0.130	0.34	0.83	65	848	52	10 200	1 212.8	1982	84 01 - GPP
64	3.93	0.140	0.65	0.83	65	848	52	10 842	1 289.9	1984	85 10 - ABAND 85 11
130	2.13	0.110	0.15	0.70	96	815	49	12 070	1 718.0	1960	78 11 - GPP
64	2.13	0.120	0.20	0.78	96	830	49	12 013	1 711.0	1978	81 01
3 314	2.16	0.115	0.15	0.81	125	830	56	16 595	1 559.5	1979	87 01 - GPP
506	1.30	0.140	0.18	0.83	65	805	58	14 911	1 673.3	1980	86 12 - GPP
64	1.58	0.134	0.15	0.81	74	830	66	10 631	1 626.9	1982	82 11 - SUSP 85 07
64	1.50	0.130	0.45	0.81	125	830	56	10 783	1 617.8	1984	85 10 - ABAND 85 11
64	1.50	0.100	0.20	0.80	125	830	56	10 808	1 515.9	1985	86 05 - SUSP 86 09
65	4.88	0.160	0.30	0.75	105		88	14 690	1 805.3	1961	66 11 - SUSP 66 11
128	2.46	0.080	0.30	0.84	156	827	72	18 955	1 857.9	1982	84 03
64	4.00	0.090	0.36	0.84	54	827	72	6 956	1 771.3	1982	83 06
64	1.10	0.100	0.25	0.80	149	678	82	16 677	1 843.9	1983	84 05
128	1.00	0.070	0.30	0.68	149	821	83	16 791	1 882.7	1984	87 12
194	0.70	0.060	0.30	0.84	56	827	72	14 564	1 896.9	1984	87 09
80	1.76	0.090	0.36	0.80	74	813	60	13 747	1 878.7	1985	87 12
704	1.47	0.130	0.21	0.70	160	827	60	17 500	2 051.2	1985	87 04
121	1.50	0.070	0.25	0.70	132	817	72	18 296	2 058.6	1981	83 12
192	1.27	0.130	0.19	0.65	174	812	80	19 450	2 113.9	1985	87 05
64	1.50	0.145	0.19	0.70	174	820	80	18 500	2 074.6	1986	86 06
64	3.58	0.116	0.27	0.70	174	812	80	18 705	2 139.9	1984	85 11
64	2.00	0.120	0.23	0.70	145	856	70	14 921	2 170.2	1985	85 09
64	7.40	0.078	0.33	0.80	88	879	54	14 156	2 102.5	1985	86 05
64	24.99	0.043	0.35	0.61	195	801	78	19 840	2 528.3	1975	81 12 - SUSP 81 02
47 396					103	811	60	18 240	1 722.4	1964	87 11
1 495	6.07	0.120	0.36	0.78							
13 259	5.45	0.144	0.36	0.78							
32 642	3.20	0.124	0.36	0.78							

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
MORINVILLE 055-25W4								
LOWER MANNVILLE A	199.0	<0.11		20.1		20.1	20.1	
LOWER MANNVILLE F	120.0	0.10		12.0		12.0	3.9	8.1
LOWER MANNVILLE L	226.0	<0.03		6.7		6.7	6.7	
LOWER MANNVILLE O	49.0	<0.01		0.1		0.1	0.1	
D-1 A	55.9	<0.13		7.2		7.2	7.2	
D-3 A	90.6	<0.32		28.6		28.6	28.6	
D-3 B	3 150.0	0.59		1 860.0		1 860.0	1 584.3	275.7
D-3 C	615.0	0.13		80.0		80.0	64.4	15.6
D-3 D	57.1	0.30		17.1		17.1	5.4	11.7
D-3 E	980.0	0.35		343.0		343.0	68.7	274.3
D-3 F	212.0	<0.01		0.2		0.2		0.2
D-3 G	253.0	0.05		12.7		12.7	1.5	11.2
MORNINGSIDE 042-28W4								
BELLY RIVER A	349.0	0.10		34.9		34.9		34.9
NELSON 043-26W4								
VIKING A	1 344.0	0.10		134.0		134.0	36.0	98.0
NEVIS 039-22W4								
BLAIRMORE B	305.0	<0.01		0.3		0.3	0.3	
BLAIRMORE C	1 264.0	0.20		253.0		253.0	142.3	110.7
BLAIRMORE D	126.0	0.03		3.8		3.8	2.4	1.4
BLAIRMORE F	215.0	0.10		21.5		21.5	8.1	13.4
BLAIRMORE H	144.0	0.05		7.2		7.2	0.1	7.1
UPPER MANNVILLE A	2 030.0	0.08		162.0		162.0	89.3	72.7
UPPER MANNVILLE D	392.0	0.10		39.2		39.2	9.9	29.3
UPPER MANNVILLE E	161.0	0.10		16.1		16.1	6.0	10.1
LOWER MANNVILLE A	62.7	<0.01		0.5		0.5	0.5	
DEVONIAN	429.0	<0.04		14.2		14.2	14.2	
D-2 A	274.0	0.30		82.2		82.2	2.8	79.4
D-3 B	238.0	0.15		35.8		35.8	35.6	0.2
D-3 C	222.0	0.22		48.9		48.9	47.4	1.5
D-3 D	191.0	0.20		38.2		38.2	22.9	15.3
D-3 E	1 270.0	0.15		191.0		191.0	134.2	56.8
D-3 F	400.0	0.03		12.0		12.0	11.1	0.9
D-3 G	240.0	0.30		72.0		72.0	47.5	24.5
NEW NORWAY 044-22W4								
BLAIRMORE	69.1	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	163.0	<0.01		0.8		0.8	0.8	
D-2	2 150.0	0.65		1 400.0		1 400.0	1 250.2	149.8
D-3	318.0	0.60		191.0		191.0	178.8	12.2
NIPISI 079-08W5								
SLAVE POINT A	353.0	0.10		35.3		35.3	7.7	27.6
SLAVE POINT B	395.0	0.15		59.3		59.3	1.1	58.2
SLAVE POINT C	435.0	0.10		43.5		43.5	2.2	41.3
GILWOOD A TOTAL	115 900.0			29 870.0	27 500.0	57 370.0	40 412.6	16 957.4
PRIMARY AREA	3 824.0	0.20		765.0		765.0		
SOLVENT FLOOD AREA	51 600.0	0.26	0.35	13 400.0	17 900.0	31 300.0		
WATER FLOOD AREA	60 500.0	0.26	0.16	15 700.0	9 600.0	25 300.0		
GILWOOD C TOTAL	4 190.0			629.0	380.0	1 010.0	534.8	475.2
PRIMARY AREA	393.0	0.15		59.0		59.0		
WATER FLOOD AREA	3 800.0	0.15	0.10	570.0	380.0	950.0		
GILWOOD E	135.0	0.15		20.3		20.3	16.0	4.3
GILWOOD F	100.0	0.20		20.0		20.0	4.5	15.5
GILWOOD G	150.0	0.15		22.5		22.5	10.7	11.8
GILWOOD H	150.0	0.15		22.5		22.5	7.9	14.6
GILWOOD I	272.0	0.10		27.2		27.2	7.4	19.8
KEG RIVER SANDSTONE A	2 350.0	0.25		588.0		588.0	465.8	122.2
KEG RIVER SANDSTONE E	2 050.0	0.35		718.0		718.0	354.5	363.5
KEG RIVER SANDSTONE F	323.0	<0.02		5.5		5.5	5.5	
KEG RIVER SANDSTONE G	355.0	0.03		10.7		10.7	8.6	2.1
KEG RIVER SANDSTONE H	192.0	0.25		48.0		48.0	19.9	28.1
KEG RIVER SANDSTONE I	130.0	0.25		32.5		32.5	11.4	21.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
100	1.52	0.220	0.30	0.85	41	876	46	7 860	1 092.4	1965	75 06 - SUSP 81 01
57	1.83	0.170	0.25	0.90	62	876	47	8 960	1 148.8	1951	82 12 - SUSP 86 05
93	2.59	0.220	0.52	0.89	50	887	44	9 760	1 244.2	1965	84 12 - SUSP 80 07
64	1.00	0.170	0.50	0.90	33	871	43	6 692	1 155.0	1983	84 01 - ABAND 84 09
130	2.74	0.030	0.30	0.75	53	839	48	8 720	1 161.6	1953	64 12 - ABAND 60 10
16	10.97	0.080	0.15	0.75	62	849	56	10 760	1 397.2	1955	76 12 - SUSP 83 03
345	14.50	0.085	0.12	0.84	60	844	60	13 100	1 608.1	1960	86 06
211	3.51	0.110	0.10	0.84	62	849	52	10 790	1 379.8	1963	85 12 - GPP
16	6.00	0.100	0.15	0.70	135	844	42	10 645	1 411.3	1982	83 02
128	9.99	0.120	0.24	0.84	59	890	61	10 412	1 370.6	1982	84 01
64	8.30	0.060	0.21	0.84	59	842	61	16 051	1 642.7	1983	84 03 - ABAND 84 01
64	5.10	0.100	0.14	0.90	45	949	51	10 665	1 332.7	1985	85 12
192	3.17	0.160	0.61	0.92	28	806	38	6 000	959.9	1986	87 05
832	2.60	0.120	0.39	0.85	54	841	59	7 913	1 414.5	1985	87 07
65	3.35	0.220	0.20	0.80	89	881	49	9 340	1 404.5	1967	74 04 - ABAND 74 03
817	1.56	0.190	0.42	0.90	53	893	57	10 060	1 391.0	1959	87 12 - GPP
64	2.44	0.130	0.30	0.88	51	870	38	9 450	1 478.0	1977	82 12
128	2.40	0.140	0.35	0.80	70	886	57	11 118	1 418.7	1982	84 06
64	3.00	0.170	0.45	0.80	66	878	54	10 135	1 405.8	1959	85 11
576	3.68	0.170	0.36	0.88	48	915	62	9 977	1 424.9	1977	86 06
128	2.34	0.190	0.20	0.86	48	882	62	10 300	1 405.7	1984	85 07 - GPP
128	1.77	0.140	0.41	0.86	48	885	62	9 977	1 409.5	1987	87 10
64	1.20	0.170	0.40	0.80	64	893	54	11 003	1 404.6	1981	84 06 - ABAND 85 10
199	4.82	0.080	0.20	0.70			58	16 060	1 722.4	1952	52 09 - SUSP 62 05
128	4.20	0.085	0.20	0.75	86	826	58	16 382	1 735.4	1986	86 10
7	53.95	0.087	0.20	0.87	53	870	43	16 810	1 856.5	1968	85 07 - GPP
6	65.87	0.080	0.20	0.87	40	870	64	16 820	1 788.3	1967	83 08 - GPP
14	31.80	0.065	0.20	0.83	64	876	64	15 730	1 821.5	1969	79 03 - GPP
34	45.81	0.120	0.17	0.82	79	887	38	16 130	1 832.5	1970	84 12 - GPP
64	11.80	0.076	0.15	0.82	74	887	38	14 710	1 755.6	1970	79 12 - GPP
20	25.30	0.075	0.23	0.82	79	887	62	14 212	1 892.0	1984	87 11
16	4.88	0.175	0.35	0.77	80	825	56	10 140	1 393.9	1953	58 05 - ABAND 56 06
64	2.50	0.220	0.40	0.77	71	837	44	9 410	1 336.8	1980	84 12 - ABAND 83 02
197	18.70	0.085	0.14	0.80	82	825	54	10 620	1 425.2	1951	81 12
77	15.03	0.044	0.20	0.78	84	839	58	14 070	1 495.7	1951	73 02 - GPP
128	6.30	0.085	0.44	0.92	16	830	54	17 149	1 680.9	1982	85 04
64	12.31	0.082	0.32	0.90	24	840	67	16 666	1 828.8	1984	84 09
64	12.64	0.090	0.35	0.92	18	860	66	16 972	1 813.7	1985	86 03
32 192					65	820	49	18 130	1 708.7	1965	87 12
2 944	2.28	0.104	0.34	0.83							
8 512	7.20	0.156	0.35	0.83							
20 736	3.83	0.137	0.33	0.83							
1 831					56	820	62	18 090	1 790.4	1969	82 12 - GPP
192	3.16	0.120	0.17	0.83							
1 639	3.58	0.120	0.35	0.83							
64	3.28	0.126	0.38	0.82	65	821	56	9 628	1 675.8	1979	85 06
64	2.30	0.130	0.37	0.83	61	821	47	7 741	1 678.2	1980	82 08 - SUSP 86 04
128	1.80	0.115	0.32	0.82	65	821	56	10 586	1 680.2	1979	85 06
128	1.86	0.117	0.35	0.83	63	820	56	17 940	1 841.0	1979	86 11
128	3.54	0.134	0.44	0.80	63	819	62	18 100	1 858.3	1984	87 08
1 814	1.46	0.143	0.27	0.85	65	820	56	18 000	1 747.1	1966	86 12 - GPP
493	4.06	0.180	0.33	0.85	55	820	50	15 027	1 733.2	1977	85 06
64	5.00	0.180	0.34	0.85	53	810	54	13 800	1 768.5	1980	86 12 - SUSP 84 06
64	6.40	0.170	0.40	0.85	53	849	52	15 068	1 738.1	1972	84 12
64	3.40	0.160	0.35	0.85	55	824	43	13 060	1 749.4	1982	83 04
64	1.90	0.180	0.30	0.85	50	830	57	12 622	1 751.0	1982	83 05 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
NIPISI 079-08W5 (CONTINUED)								
KEG RIVER SANDSTONE J	223.0	0.03		6.7		6.7	5.0	1.7
KEG RIVER SANDSTONE K	29.4	<0.02		0.5		0.5	0.5	
KEG RIVER SANDSTONE L	384.0	0.04		15.4		15.4	9.3	6.1
KEG RIVER SANDSTONE M	350.0	0.25		87.5		87.5	9.4	78.1
KEG RIVER SANDSTONE N	22.4	0.20		4.5		4.5	0.1	4.4
KEG RIVER SANDSTONE O	298.0	0.25		74.5		74.5	6.7	67.8
NITON 055-12W5								
CARDIUM A	135.0	0.15		20.3		20.3	9.3	11.0
CARDIUM B	137.0	0.10		13.7		13.7	6.0	7.7
CARDIUM C	230.0	0.10		23.0		23.0	15.5	7.5
CARDIUM D	176.0	0.10		17.6		17.6	0.8	16.8
CARDIUM E	142.0	0.15		21.3		21.3	5.0	16.3
CARDIUM F	275.0	0.15		41.3		41.3	8.0	33.3
CARDIUM G	187.0	0.15		28.1		28.1	4.6	23.5
BASAL QUARTZ A	260.0	0.03		7.8		7.8		7.8
BASAL QUARTZ C	168.0	<0.01		0.8		0.8	0.8	
BASAL QUARTZ G	177.0	0.10		17.7		17.7	0.1	17.6
BASAL QUARTZ K	116.0	0.10		11.6		11.6	2.3	9.3
BASAL QUARTZ L	221.0	0.15		33.2		33.2	21.0	12.2
ROCK CREEK B	49.0	0.10		4.9		4.9	0.1	4.8
ROCK CREEK C	139.3	0.05		7.0		7.0	4.9	2.1
ROCK CREEK D	63.4	0.15		9.5		9.5	8.5	1.0
ROCK CREEK F TOTAL	6 600.0			1 510.0	1 110.0	2 620.0	1 050.4	1 569.6
PRIMARY AREA	62.3	0.23		14.3		14.3		
WATER FLOOD AREA	6 540.0	0.23	0.17	1 500.0	1 110.0	2 610.0		
NORMANDVILLE 079-22W5								
JURASSIC A	120.0	0.01		1.3		1.3	1.3	
MISSISSIPPIAN B	23.4	0.04		0.9		0.9	0.9	
D-1 A	531.0	0.35		186.0		186.0	168.8	17.2
D-1 B	805.0	<0.01		0.4		0.4	0.4	
D-3 A	412.0	0.46		190.0		190.0	169.5	20.5
D-3 B	563.0	0.33		186.0		186.0	174.5	11.5
NORTHVILLE 052-10W5								
ROCK CREEK A	75.3	<0.01		0.6		0.6	0.6	
JURASSIC A	231.0	0.10		23.1		23.1	2.5	20.6
OBERLIN 038-21W4								
MANNVILLE C	197.0	<0.03		4.4		4.4	4.4	
OGSTON 089-10W5								
KEG RIVER SANDSTONE A	1 410.0	0.05		70.5		70.5	35.3	35.2
KEG RIVER SANDSTONE B	513.0	<0.01		1.6		1.6	1.6	
OKOTOKS 021-28W4								
WABAMUN A	167.0	<0.01		1.5		1.5	1.5	
OPEN CREEK 042-05W5								
BELLY RIVER B	959.0	0.15		144.0		144.0	64.1	79.9
VIKING A	40.3	0.25		10.1		10.1	3.5	6.6
BANFF A	224.0	<0.02		4.3		4.3	4.3	
OTTER 088-12W5								
SLAVE POINT A	3 000.0	0.20		600.0		600.0	80.9	519.1
GRANITE WASH A	3 679.0	0.20		736.0		736.0	218.8	517.2
GRANITE WASH D	49.7	0.15		7.5		7.5	3.4	4.1
GRANITE WASH F	2 588.0	0.30		776.0		776.0	71.4	704.6
GRANITE WASH I	1 038.0	0.30		311.0		311.0	59.1	251.9
GRANITE WASH J	173.0	0.30		51.9		51.9	5.2	46.7
GRANITE WASH K	161.0	0.20		32.2		32.2	2.7	29.5
GRANITE WASH M	273.0	0.15		41.0		41.0	4.0	37.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.50	0.180	0.35	0.85	53	820	52	12 299	1 740.5	1984	87 12 - GPP
64	1.50	0.080	0.55	0.85	55	824	44	12 390	1 748.3	1984	84 08 - ABAND 84 11
64	6.10	0.170	0.32	0.85	55	825	47	12 005	1 745.7	1984	86 12
64	4.60	0.200	0.30	0.85	65	825	49	11 796	1 745.8	1985	85 08
64	0.60	0.137	0.50	0.85	52	825	54	11 285	1 743.2	1985	85 10
64	3.40	0.230	0.30	0.85	52	828	53	11 637	1 749.7	1986	86 05
64	2.72	0.114	0.22	0.87	48	834	57	9 400	1 427.6	1970	87 01
64	6.00	0.056	0.25	0.85	64	865	42	9 402	1 402.9	1984	85 03
128	2.84	0.100	0.28	0.88	44	856	52	9 086	1 384.4	1984	86 04 - GPP
64	4.00	0.110	0.29	0.88	44	856	52	8 894	1 381.9	1984	86 04 - SUSP 86 07
64	3.35	0.100	0.25	0.88	45	856	52	9 280	1 453.9	1985	86 05
128	4.12	0.080	0.26	0.88	44	856	52	8 666	1 418.7	1985	87 04
64	5.60	0.080	0.26	0.88	44	856	52	10 129	1 422.3	1986	87 04
241	1.54	0.160	0.40	0.73	114	839	80	16 440	1 962.0	1968	86 05 - SUSP 86 09
64	3.66	0.150	0.35	0.73	114	839	80	16 440	1 962.0	1968	76 08 - SUSP 70 03
64	4.63	0.130	0.37	0.73	56	900	80	15 940	1 948.6	1979	79 12
64	3.00	0.120	0.30	0.72	120	892	65	17 235	1 908.9	1981	82 04 - SUSP 86 09
64	4.92	0.170	0.45	0.75				16 160	1 888.0	1974	75 12
64	1.50	0.110	0.42	0.80	135	883	62	15 299	1 903.8	1985	86 04 - SUSP 86 09
64	4.06	0.113	0.35	0.73	114	864	76	16 139	1 846.7	1981	82 07
64	1.08	0.161	0.22	0.73	114	864	76	16 040	1 861.0	1981	82 07
2 564					114	839	76	16 270	1 973.0	1965	80 06 - GPP
54	1.96	0.152	0.47	0.73							
2 510	4.43	0.152	0.47	0.73							
32	3.66	0.150	0.25	0.90	35	921	33	7 270	821.7	1957	61 02 - ABAND 61 11
16	1.52	0.150	0.25	0.84	62	839	37	10 930	1 066.2	1957	61 02 - ABAND 61 11
365	7.04	0.035	0.28	0.82	68	834	53	18 100	1 766.9	1956	85 12 - GPP
64	77.50	0.030	0.34	0.82	66	855	57	13 647	1 755.9	1984	85 04 - SUSP 85 10
65	21.34	0.046	0.19	0.80	77	825	66	21 820	2 049.8	1949	86 12 - GPP
213	14.57	0.031	0.27	0.80	77	825	66	21 750	2 048.0	1958	87 12 - GPP
64	2.80	0.100	0.40	0.70	150	813	62	17 000	1 982.9	1984	85 07 - SUSP 85 06
64	8.00	0.095	0.35	0.73	120	885	77	16 002	2 032.7	1981	82 03
64	2.77	0.160	0.20	0.87	51	870	47	9 970	1 322.2	1974	80 12 - SUSP 83 04
320	4.80	0.150	0.29	0.86	62	829	49	16 410	1 506.6	1975	79 12 - GPP
65	7.32	0.220	0.42	0.85	50	829	43	16 040	1 491.1	1976	78 11 - ABAND 82 02
64	6.10	0.100	0.25	0.57	235	811	77	26 200	2 595.9	1978	84 07 - ABAND 83 07
192	6.88	0.150	0.41	0.82	82	815	42	7 620	1 316.1	1966	87 08
100	0.82	0.085	0.25	0.77	178	817	86	19 819	2 000.0	1984	87 12
64	4.57	0.111	0.20	0.86	53	876	66	19 370	2 254.0	1974	83 12 - SUSP 80 12
768	9.57	0.065	0.31	0.91	34	833	54	15 837	1 552.7	1981	83 06
1 108	3.06	0.196	0.37	0.88	37	832	43	5 811	1 597.0	1983	87 11
64	0.76	0.191	0.37	0.85	55	840	44	14 756	1 609.0	1983	84 11
640	3.57	0.190	0.33	0.89	36	860	40	16 146	1 594.7	1984	87 12
192	4.25	0.220	0.35	0.89	35	835	44	16 277	1 571.1	1984	86 09
64	3.07	0.183	0.44	0.86	49	829	40	15 922	1 564.4	1986	86 09
64	2.40	0.204	0.41	0.87	38	840	40	15 966	1 578.6	1985	86 03
64	5.16	0.161	0.43	0.90	34	834	43	15 379	1 548.1	1984	87 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
OTTER 088-12W5 (CONTINUED)								
GRANITE WASH N	116.0	0.20		23.2		23.2	1.2	22.0
PADDLE RIVER 057-08W5								
D-2 A	181.0	<0.13		22.2		22.2	22.2	
PAKOWKI LAKE 004-07W4								
SUNBURST A	62.1	<0.01		0.4		0.4	0.4	
SUNBURST B	168.0	0.10		16.8		16.8	5.3	11.5
PANNY 096-06W5								
KEG RIVER A	484.0	0.25		121.0		121.0	39.7	81.3
KEG RIVER B	244.0	0.25		61.0		61.0	11.0	50.0
KEG RIVER C	1 220.0	0.30		366.0		366.0	114.2	251.8
KEG RIVER D	2 600.0	0.40		1 040.0		1 040.0	181.1	858.9
KEG RIVER E	78.0	0.30		23.4		23.4	9.4	14.0
KEG RIVER F	300.0	0.25		75.0		75.0	9.1	65.9
KEG RIVER G	350.0	0.35		122.0		122.0	33.1	88.9
KEG RIVER H	243.0	0.30		72.9		72.9	5.8	67.1
KEG RIVER I	477.0	0.30		143.0		143.0	15.0	128.0
KEG RIVER J	171.0	0.25		42.8		42.8	4.7	38.1
KEG RIVER K	266.0	0.25		66.5		66.5	6.1	60.4
KEG RIVER L	86.6	0.25		21.7		21.7	1.4	20.3
KEG RIVER M	177.0	0.25		44.3		44.3	3.4	40.9
KEG RIVER N	148.0	0.25		37.0		37.0	0.2	36.8
KEG RIVER O	181.0	0.25		45.3		45.3	0.4	44.9
KEG RIVER Z	581.0	0.20		116.0		116.0		116.0
PARFLESH 025-22W4								
UPPER MANNVILLE C	101.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE D	328.0	0.10		32.8		32.8	6.7	26.1
UPPER MANNVILLE G WATER FLOOD	1 120.0	0.10	0.38	112.0	426.0	538.0	444.5	93.5
LOWER MANNVILLE B	383.0	<0.02		4.3		4.3	4.3	
PEARCE 009-24W4								
D-2 A	108.0	0.10		10.8		10.8	8.6	2.2
PEARL 030-16W4								
BANFF A	50.4	0.13		6.5		6.5	5.3	1.2
PEAVEY 056-24W4								
MIDDLE VIKING A	529.0	0.20		106.0		106.0	82.6	23.4
BLAIRMORE TOTAL	1 896.0			379.0	63.6	443.0	208.6	234.4
PRIMARY AREA	1 260.0	0.20		252.0		252.0		
WATER FLOOD AREA	636.0	0.20	0.10	127.0	63.6	191.0		
BLAIRMORE B	225.0	<0.01		0.9		0.9	0.9	
BLAIRMORE C	79.3	0.10		7.9		7.9	4.1	3.8
BLAIRMORE D	43.0	0.10		4.3		4.3	0.6	3.7
PECO 047-15W5								
BELLY RIVER B	113.0	0.12		13.6		13.6	12.5	1.1
BELLY RIVER C	2 640.0	0.10		264.0		264.0	65.2	198.8
BELLY RIVER D	202.0	0.10		20.2		20.2	1.4	18.8
BELLY RIVER E	402.0	0.10		40.2		40.2	5.5	34.7
BELLY RIVER F	269.0	<0.01		0.3		0.3	0.3	
BELLY RIVER G	52.6	<0.10		5.2		5.2	5.2	
BELLY RIVER H	341.0	0.10		34.1		34.1	6.9	27.2
BELLY RIVER I	157.0	0.10		15.7		15.7		15.7
BELLY RIVER J	200.0	0.10		20.0		20.0		20.0
BELLY RIVER K	393.0	0.15		59.0		59.0	1.6	57.4
BELLY RIVER L	154.0	0.10		15.4		15.4	0.1	15.3
BELLY RIVER M	225.0	0.10		22.5		22.5	1.3	21.2
BELLY RIVER A & N	2 750.0	0.10		275.0		275.0	211.3	63.7
CARDIUM A	331.0	0.08		26.5		26.5	25.2	1.3
CARDIUM C	228.0	0.10		22.8		22.8	13.9	8.9
CARDIUM D	47.3	0.10		4.7		4.7	0.8	3.9
CARDIUM E	33.4	0.25		5.0		5.0	2.5	2.5
CARDIUM F	38.0	0.05		1.9		1.9	0.1	1.8
CARDIUM G	199.0	0.10		19.9		19.9	7.8	12.1
CARDIUM H	76.6	0.10		7.7		7.7	1.0	6.7
GETHING B	185.0	0.10		18.5		18.5	4.0	14.5

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	2.73	0.146	0.47	0.86	34	830	43	10 467	1 529.4	1985	87 11
64	8.84	0.053	0.25	0.80	117	876	70	14 130	1 835.2	1954	71 11 - ABAND 78 10
32	1.80	0.190	0.39	0.93	30	923	33	8 731	889.9	1976	83 05 - SUSP 84 05
64	1.74	0.240	0.31	0.91	32	830	40	8 909	936.9	1984	87 08
192	4.64	0.080	0.22	0.87	51	829	38	12 172	1 169.1	1984	85 08
64	5.90	0.080	0.07	0.87	63	831	38	11 527	1 124.3	1984	85 04
128	14.62	0.090	0.17	0.87	51	829	38	13 029	1 239.7	1984	85 04
421	11.38	0.080	0.22	0.87	51	837	38	12 622	1 232.2	1983	85 04
64	3.45	0.059	0.32	0.88	51	829	38	12 209	1 175.3	1984	85 02
64	8.67	0.084	0.26	0.87	52	840	38	12 537	1 178.9	1985	86 07
64	11.99	0.069	0.24	0.87	51	829	38	12 308	1 194.0	1985	86 07
128	7.00	0.054	0.43	0.88	38	828	38	12 000	1 279.9	1985	87 08
64	14.17	0.072	0.16	0.87	52	830	38	11 702	1 148.8	1986	86 06
64	11.70	0.054	0.52	0.88	44	835	28	13 252	1 277.2	1986	87 02
128	7.86	0.049	0.38	0.87	52	834	38	13 107	1 265.5	1985	87 02
64	3.00	0.073	0.29	0.87	52	845	38	13 053	1 264.5	1986	87 02
64	10.80	0.042	0.30	0.87	47	834	37	13 083	1 257.4	1985	86 03
64	7.54	0.061	0.40	0.84	65	834	38	7 500	1 258.2	1986	87 02
64	6.14	0.088	0.40	0.87	52	829	38	13 559	1 271.0	1986	87 03
64	15.20	0.093	0.27	0.88	51	840	38		1 218.9	1986	87 12
64	2.00	0.160	0.40	0.82	70	847	49	10 293	1 493.3	1981	83 04 - SUSP 83 04
64	9.50	0.130	0.50	0.83	66	860	37	8 765	1 442.0	1981	83 09
288	2.61	0.230	0.21	0.82	56	858	45	7 970	1 449.3	1985	87 01
65	5.49	0.180	0.25	0.80	71	849	46	10 540	1 491.7	1969	83 12 - SUSP 76 11
64	4.64	0.070	0.20	0.65	186	829	51	19 884	2 397.0	1977	78 08
64	2.13	0.050	0.16	0.88	51	894	38	9 184	1 288.9	1976	86 12 - GPP
146	2.59	0.203	0.25	0.92	37	876	38	6 070	848.0	1951	86 12 - GPP
400					35	876	43	8 270	1 067.1	1952	86 08
272	3.25	0.206	0.23	0.90							
128	3.48	0.206	0.23	0.90							
32	5.00	0.240	0.35	0.90	42	912	33	7 151	1 074.2	1976	84 03 - SUSP 85 11
16	3.90	0.220	0.32	0.85	32	916	35	6 028	1 071.8	1983	84 03
16	3.20	0.160	0.43	0.92	25	898	43	7 487	1 062.9	1985	86 08
65	3.05	0.140	0.47	0.77	106	876	54	10 830	2 057.1	1965	83 12 - GPP
768	6.78	0.100	0.35	0.78	80	806	52	12 921	2 166.2	1983	85 10
64	5.20	0.120	0.35	0.78	90	799	50	11 921	2 000.2	1984	85 03
128	6.19	0.100	0.35	0.78	52	824	52	13 361	2 205.6	1983	85 03
64	7.00	0.130	0.45	0.84	56	810	61	9 156	1 893.1	1985	85 07 - ABAND 85 07
64	1.80	0.090	0.35	0.78	80	806	52	12 300	2 223.4	1984	85 07 - SUSP 84 11
64	9.55	0.110	0.35	0.78	80	806	52	12 300	2 172.3	1984	85 07
64	5.80	0.120	0.56	0.80	56	810	61	12 103	1 986.1	1985	85 10
64	5.00	0.120	0.35	0.80	56	810	61	12 375	2 092.0	1984	85 10
64	11.00	0.110	0.35	0.78	85	806	50	12 648	2 066.6	1985	85 10
64	4.00	0.140	0.45	0.78	88	830	62	10 258	1 997.8	1985	85 12
64	6.00	0.127	0.45	0.84	56	810	61	7 805	1 761.9	1985	86 01
1 104	5.91	0.108	0.50	0.78	106	815	52	12 154	2 117.2	1964	86 10 - GPP
256	1.85	0.120	0.13	0.67	217	806	76	22 710	2 475.3	1956	85 12 - GPP
156	2.60	0.110	0.15	0.60	204	792	92	25 020	2 464.5	1976	85 12
64	1.40	0.110	0.20	0.60	200	791	74	19 300	2 473.2	1981	82 07
108	0.92	0.070	0.20	0.60	200	786	77	27 183	2 481.9	1982	87 12
64	1.20	0.130	0.40	0.63	175	770	62	26 120	2 427.7	1976	80 01 - SUSP 76 08
192	2.21	0.100	0.22	0.60	210	792	77	31 300	2 486.5	1983	85 03 - GPP
64	1.90	0.150	0.30	0.60	210	788	77	26 175	2 442.8	1986	86 10
64	4.00	0.110	0.18	0.80	350	783	100	26 620	3 048.8	1984	84 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PECO 047-15W5 (CONTINUED)								
CADOMIN A	39.7	<0.04		1.3		1.3	1.3	
CADOMIN B	108.0	0.05		4.4		4.4	4.4	
PEMBINA 048-07W5								
KEYSTONE BELLY RIVER B TOTAL	29 300.0			3 740.0	5 940.0	9 680.0	6 204.4	3 475.6
PRIMARY AREA	2 050.0	0.10		205.0		205.0		
WATER FLOOD AREA	27 200.0	0.13	0.22	3 530.0	5 940.0	9 470.0		
KEYSTONE BELLY RIVER C TOTAL	10 300.0			1 340.0	1 740.0	3 080.0	2 168.5	911.5
PRIMARY AREA	2 370.0	0.13		308.0		308.0		
WATER FLOOD AREA	7 900.0	0.13	0.22	1 030.0	1 740.0	2 770.0		
BELLY RIVER G	215.0	<0.14		29.9		29.9	29.9	
BELLY RIVER H	923.0	0.06		55.4		55.4	46.6	8.8
BELLY RIVER I TOTAL	9 540.0			1 310.0	975.0	2 290.0	1 029.0	1 261.0
PRIMARY AREA	4 440.0	0.13		565.0		565.0		
WATER FLOOD AREA	5 100.0	<0.15	0.20	746.0	975.0	1 720.0		
BELLY RIVER J WATER FLOOD	1 420.0	0.10	0.25	142.0	356.0	498.0	172.4	325.6
KEYSTONE BELLY RIVER K	183.0	0.15		27.5		27.5	25.4	2.1
KEYSTONE BELLY RIVER L TOTAL	4 090.0			447.0	710.0	1 160.0	511.9	648.1
PRIMARY AREA	1 130.0	0.05		56.5		56.5		
WATER FLOOD AREA	2 960.0	<0.14	0.24	390.0	710.0	1 100.0		
KEYSTONE BELLY RIVER M TOTAL	7 517.0			902.2	1 044.0	1 946.0	1 120.8	825.2
PRIMARY AREA	82.0	0.12		9.8		9.8		
WATER FLOOD AREA	7 435.0	0.12	0.14	892.0	1 044.0	1 936.0		
KEYSTONE BELLY RIVER O	340.0	0.10		34.0		34.0	30.1	3.9
KEYSTONE BELLY RIVER U TOTAL	8 800.0			1 120.0	1 010.0	2 130.0	1 150.8	979.2
PRIMARY AREA	2 780.0	0.13		362.0		362.0		
WATER FLOOD AREA	6 020.0	<0.13	0.17	760.0	1 010.0	1 770.0		
KEYSTONE BELLY RIVER X TOTAL	8 050.0			644.0	1 320.0	1 970.0	495.4	1 474.6
PRIMARY AREA	1 090.0	0.08		87.2		87.2		
WATER FLOOD AREA	6 960.0	0.08	0.19	557.0	1 320.0	1 880.0		
BELLY RIVER AA	2 110.0	0.06		127.0		127.0	102.4	24.6
KEYSTONE BELLY RIVER CC	1 230.0	0.15		185.0		185.0	142.8	42.2
BELLY RIVER DD	491.0	0.05		24.6		24.6	2.9	21.7
BELLY RIVER EE	408.0	<0.01		3.2		3.2	3.2	
BELLY RIVER II	1 400.0	0.05		70.0		70.0	57.5	12.5
BELLY RIVER JJ	254.0	<0.03		6.5		6.5	6.1	0.4
BELLY RIVER KK	1 300.0	0.08		104.0	ERSD	104.0	64.8	39.2
KEYSTONE BELLY RIVER LL	79.6	0.10		8.0		8.0	2.7	5.3
BELLY RIVER MM	715.0	0.05		35.8		35.8	26.0	9.8
KEYSTONE BELLY RIVER QQ	315.0	<0.01		0.4		0.4	0.4	
BELLY RIVER RR	435.0	0.02		8.7		8.7	4.1	4.6
KEYSTONE BELLY RIVER TT	289.0	0.01		2.9		2.9	1.4	1.5
BELLY RIVER XX	224.0	<0.02		2.4		2.4	2.4	
BELLY RIVER FFF&GGG TOTAL	7 020.0			472.1	257.5	729.6	228.2	501.4
PRIMARY AREA	4 445.0	0.06		231.6		231.6		
WATER FLOOD AREA	2 575.0	0.10	0.10	240.5	257.5	498.0		
BELLY RIVER B2B&C2C	575.0	0.10		57.5		57.5	1.3	56.2
BELLY RIVER BBB	126.0	0.10		12.6		12.6	3.8	8.8
BELLY RIVER DDD TOTAL	3 800.0			570.0	328.0	898.0	185.7	712.3
PRIMARY AREA	2 160.0	0.15		324.0		324.0		
WATER FLOOD AREA	1 640.0	0.15	0.20	246.0	328.0	574.0		
BELLY RIVER JJJ	292.0	0.03		8.8		8.8	3.0	5.8
BELLY RIVER LLL	545.0	0.05		27.3		27.3	15.2	12.1
BELLY RIVER MMM	350.0	<0.01		0.3		0.3	0.3	
BELLY RIVER NNN	217.0	0.05		10.4		10.4	1.9	8.5
BELLY RIVER PPP	393.0	0.05		19.7		19.7	3.3	16.4

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
65	0.91	0.120	0.30	0.80	66	788	96	29 650	3 098.9	1972	78 05 - SUSP 84 03
64	5.00	0.085	0.25	0.53	352	779	124	32 251	3 119.5	1978	78 05 - ABAND 85 10
5 920					42	839	39	6 650	978.1	1956	86 06
672	4.36	0.150	0.47	0.88							
5 248	6.00	0.194	0.50	0.88							
1 986					41	839	39	6 550	979.3	1959	82 12
512	4.97	0.190	0.45	0.89							
1 474	5.73	0.191	0.45	0.89							
75	3.05	0.150	0.30	0.89	35	834	42	6 900	1 121.7	1955	76 12 - SUSP 83 03
97	8.63	0.200	0.38	0.89	39	820	43	9 170	1 285.0	1955	86 12 - GPP
4 791					65	834	37	8 070	1 083.9	1954	78 04 - GPP
2 464	3.30	0.186	0.67	0.89							
2 327	4.01	0.186	0.67	0.89							
129	9.60	0.200	0.35	0.88	39	820	42	8 270	1 245.7	1958	78 09 - GPP
43	4.27	0.220	0.48	0.87	43	839	38	6 860	937.3	1961	81 12 - GPP
1 024					42	839	37	6 690	926.6	1962	79 12
192	5.92	0.196	0.43	0.89							
832	3.58	0.196	0.43	0.89							
2 337					42	839	38	6 720	956.3	1961	86 12
96	0.99	0.180	0.45	0.87							
2 241	3.70	0.198	0.48	0.87							
128	2.99	0.200	0.49	0.87	46	839	36	7 450	921.7	1963	86 06 - GPP
2 270					43	844	41	6 860	1 029.3	1964	85 11
702	4.68	0.183	0.48	0.89							
1 568	4.53	0.183	0.48	0.89							
1 856					40	844	42	7 856	1 040.9	1965	86 06
224	5.15	0.180	0.41	0.89							
1 632	5.10	0.179	0.48	0.89							
384	5.34	0.205	0.43	0.88	40	844	41	7 380	972.0	1965	84 12 - GPP
586	2.69	0.175	0.50	0.89	40	844	42	7 790	1 058.0	1964	86 12 - GPP
64	8.50	0.180	0.43	0.88	40	844	43	7 240	992.1	1967	85 12 - GPP
65	7.13	0.188	0.46	0.87	43	849	42	6 580	1 047.3	1967	76 12 - ABAND 76 09
605	3.15	0.207	0.60	0.89	65	834	44	7 480	1 035.7	1957	84 12 - GPP
64	4.32	0.190	0.45	0.88	40	844	36	6 450	942.7	1967	81 12 - GPP
192	7.17	0.181	0.40	0.87	41	820	49	8 340	1 312.2	1956	85 09 - GPP
65	1.68	0.165	0.50	0.89	40	839	49	7 760	1 061.3	1968	73 02 - GPP
154	6.10	0.140	0.39	0.89	40	829	42	12 820	1 260.3	1968	77 12 - GPP
65	5.76	0.190	0.50	0.89	44	904	38	6 650	973.5	1974	83 12 - SUSP 78 01
65	6.10	0.200	0.38	0.89	43	829	43	10 290	1 296.9	1959	85 12 - GPP
64	4.61	0.200	0.45	0.89	41	844	41	6 070	931.5	1975	81 12 - GPP
64	4.92	0.200	0.60	0.89	62	839	31	6 780	969.6	1978	82 12 - SUSP 85 08
2 893					45	841	32	6 825	990.9	1978	87 05
2 116	2.43	0.180	0.46	0.89							
777	4.06	0.180	0.49	0.89							
128	5.60	0.160	0.43	0.88	40	840	50	7 011	1 179.1	1985	86 09
64	2.00	0.190	0.42	0.89	46	846	22	7 200	940.2	1978	79 05
1 343					65	817	49	10 716	1 471.1	1978	87 08
963	3.07	0.134	0.31	0.79							
381	5.89	0.134	0.31	0.79							
64	4.70	0.170	0.35	0.88	50	854	41	7 750	1 153.1	1979	83 12 - GPP
160	3.20	0.190	0.37	0.89	42	847	45	6 536	908.0	1981	86 12
64	6.30	0.150	0.35	0.89	48	840	36	5 829	865.7	1981	82 05 - SUSP 84 02
64	2.70	0.220	0.36	0.89	55	846	40	6 612	995.7	1981	83 12 - GPP
64	7.79	0.161	0.45	0.89	45	844	38	6 200	999.4	1981	86 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PEMBINA 048-07W5 (CONTINUED)								
BELLY RIVER RRR	315.0	0.02		6.3		6.3	2.5	3.8
BELLY RIVER TTT	1 895.0	0.10		190.0		190.0	21.4	168.6
BELLY RIVER UUU	793.0	0.01		7.9		7.9	1.9	6.0
BELLY RIVER VVV	239.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WWW	125.0	<0.01		0.1		0.1		0.1
BELLY RIVER XXX	191.0	<0.01		0.1		0.1		0.1
BELLY RIVER ZZZ	519.0	0.10		51.9		51.9	6.7	45.2
BELLY RIVER A2A	332.0	0.10		33.2		33.2	21.1	12.1
BELLY RIVER D2D	385.0	0.05		19.3		19.3		19.3
BELLY RIVER E2E	144.0	0.10		14.4		14.4	2.6	11.8
BELLY RIVER F2F	96.6	0.10		9.7		9.7	1.2	8.5
BELLY RIVER G2G	130.0	0.10		13.0		13.0	1.9	11.1
BELLY RIVER H2H	34.3	0.05		1.7		1.7	0.4	1.3
BELLY RIVER J2J	366.0	0.05		18.3		18.3	0.3	18.0
BELLY RIVER K2K	189.0	0.10		18.9		18.9	0.1	18.8
BELLY RIVER L2L	251.0	<0.01		0.9		0.9	0.9	
BELLY RIVER M2M	870.0	0.05		43.5		43.5	2.1	41.4
BELLY RIVER N2N	121.0	0.10		12.1		12.1	0.7	11.4
BELLY RIVER O2O	482.0	0.05		24.1		24.1		24.1
BELLY RIVER P2P	308.0	0.05		15.4		15.4	0.6	14.8
BELLY RIVER Q2Q	320.0	0.10		32.0		32.0	1.4	30.6
BELLY RIVER R2R	133.0	0.10		13.3		13.3	0.1	13.2
BELLY RIVER S2S	329.0	0.05		16.5		16.5		16.5
BELLY RIVER U2U	200.0	0.12		24.0		24.0	0.2	23.8
BELLY RIVER V2V	186.0	0.10		18.6		18.6	1.2	17.4
BELLY RIVER W2W	164.0	<0.01		0.1		0.1	0.1	
BELLY RIVER X2X	600.0	0.10		60.0		60.0	1.4	58.6
BELLY RIVER Y2Y	263.0	0.10		26.3		26.3	2.9	23.4
BELLY RIVER Z2Z	369.0	0.10		36.9		36.9	1.1	35.8
BELLY RIVER A3A	368.0	0.01		3.7		3.7	0.5	3.2
BELLY RIVER B3B	250.0	0.10		25.0		25.0	4.7	20.3
LEA PARK A	188.0	0.15		28.2		28.2	15.5	12.7
CARDIUM TOTAL	1 180 000.0			131 000.0	108 000.0	239 000.0	165 189.9	73 810.1
PRIMARY AREA	278 000.0	<0.09		23 800.0		23 800.0		
SOLVENT FLOOD AREA (LOBSTICK UNIT)	11 000.0	0.14	0.15	1 530.0	1 650.0	3 180.0		
WATER FLOOD AREA	830 000.0	<0.12	0.11	96 100.0	97 200.0	194 000.0		
GAS FLOOD AREA	6 830.0	<0.10	0.04	680.0	273.0	953.0		
WATER & SOLVENT FLOOD AREA (NPCU)	56 700.0	0.15	0.16	8 570.0	9 070.0	17 600.0		
CARDIUM B	636.0	0.04		25.4		25.4	19.2	6.2
CARDIUM C	407.0	0.01		4.1		4.1	1.9	2.2
CARDIUM D	211.0	0.05		10.6		10.6	7.6	3.0
CARDIUM E	187.0	0.05		9.4		9.4	4.8	4.6
CARDIUM F	169.0	<0.01		0.3		0.3	0.3	
CARDIUM G	125.0	<0.01		0.2		0.2	0.2	
CARDIUM H	96.9	0.15		14.5		14.5	6.8	7.7
CARDIUM I	320.0	0.10		32.0		32.0	4.1	27.9
CARDIUM J	165.0	0.10		16.5		16.5	1.8	14.7
CARDIUM K	247.0	0.10		24.7		24.7	2.2	22.5
CARDIUM L	300.0	0.15		45.0	ERSO	45.0	20.1	24.9
CARDIUM M	311.0	0.02		6.2		6.2	3.0	3.2
CARDIUM N	240.0	0.03		7.2		7.2	2.9	4.3
CARDIUM O	24.7	0.10		2.5		2.5	0.1	2.4
CARDIUM P	274.0	0.20		54.8		54.8	7.1	47.7
SECOND WHITE SPECKS A	100.0	0.10		10.0		10.0	2.8	7.2
SECOND WHITE SPECKS B	257.0	0.10		25.7		25.7	3.5	22.2
VIKING B	800.0	0.15		120.0		120.0	99.3	20.7
VIKING D	213.0	0.10		21.3		21.3		21.3
VIKING E	5.6	0.05		0.3		0.3	0.3	
VIKING F	52.2	0.15		7.8		7.8	4.8	3.0
VIKING G	136.0	0.10		13.6		13.6	1.4	12.2
LOBSTICK GLAUCONITIC J	42.4	0.10		4.2		4.2	1.0	3.2
GLAUCONITIC K	318.0	0.10		31.8		31.8	0.2	31.6
LOBSTICK GLAUCONITIC N	256.0	<0.01		0.1		0.1	0.1	
LOBSTICK GLAUCONITIC P	1 320.0	0.05		66.0		66.0	29.7	36.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m³/m³	kg/m³	°C	kPa	m		
32	8.30	0.212	0.35	0.86	52	862	41	5 757	856.5	1982	86 12
320	6.93	0.200	0.52	0.89	66	853	37	7 645	1 046.8	1980	87 07
128	5.46	0.210	0.40	0.90	65	901	41	6 160	904.0	1983	86 12 - GPP
64	4.60	0.140	0.30	0.83	65	845	52	7 625	1 137.9	1983	86 12 - SUSP 84 06
32	4.40	0.180	0.45	0.90	52	857	41	6 612	901.5	1983	84 03 - SUSP 84 07
64	3.00	0.150	0.20	0.83	65	848	52	7 423	1 161.5	1983	86 12 - SUSP 84 05
64	9.10	0.180	0.45	0.90	65	837	41	6 679	983.0	1958	84 09
194	2.51	0.140	0.36	0.76	65	849	52	9 697	1 346.2	1982	86 07
64	6.90	0.178	0.45	0.89	45	841	32	6 142	976.6	1985	86 07
64	3.20	0.135	0.40	0.87	52	817	49	9 223	1 277.9	1980	86 03 - GPP
64	2.20	0.145	0.45	0.86	52	857	41	7 107	1 024.9	1985	86 04
32	4.40	0.180	0.40	0.85	67	839	36	6 108	910.5	1984	86 07 - GPP
64	0.54	0.190	0.45	0.95	18	850	32	6 160	978.3	1983	84 05
64	8.92	0.180	0.60	0.89	18	850	32	6 348	963.0	1983	86 07
64	4.20	0.180	0.54	0.85	70	840	32	6 310	927.5	1983	85 06
64	4.90	0.180	0.50	0.89	46	849	36	5 633	1 025.0	1984	87 12 - SUSP 87 06
128	6.42	0.170	0.30	0.89	66	822	37	8 039	1 090.2	1985	87 07
64	1.99	0.178	0.40	0.89	90	885	44	8 750	1 250.6	1985	86 06 - GPP
128	4.45	0.183	0.48	0.89	46	849	36	5 626	1 005.3	1979	86 07
64	6.00	0.180	0.50	0.89	46	849	36	6 170	965.8	1979	86 07
64	5.40	0.160	0.35	0.89	66	822	39	8 912	1 056.8	1985	86 07
64	2.94	0.131	0.35	0.83	72	829	39	12 716	1 441.3	1985	86 07 - SUSP 87 02
64	5.33	0.197	0.45	0.89		850	42	6 580	995.0	1984	86 07
64	3.86	0.175	0.48	0.89	46	849	36	6 318	963.9	1986	86 08
64	4.50	0.150	0.50	0.86	45	795	41	6 908	964.6	1979	86 09
64	2.75	0.161	0.35	0.89	48	867	25	8 345	1 075.1	1986	86 10 - SUSP 86 10
64	9.86	0.178	0.40	0.89	39	834	43	10 025	1 197.4	1950	87 01
64	4.20	0.200	0.45	0.89	46	848	36	6 613	971.4	1986	87 02
64	6.00	0.180	0.40	0.89	65	822	38	7 998	1 068.0	1984	87 04
64	5.50	0.180	0.30	0.83	75	813	32	8 937	1 226.3	1976	87 04 - GPP
64	5.00	0.180	0.38	0.70	150	791	50	10 014	1 377.8	1979	80 03
64	4.20	0.125	0.30	0.80	166	798	52	15 403	1 447.4	1985	86 04
191 669					96	834	46	18 890		1953	78 04 - GPP
49 291	6.77	0.121	0.15	0.81							
908	12.98	0.128	0.10	0.81							
133 375	5.97	0.143	0.10	0.81							
2 981	2.62	0.127	0.15	0.81							
5 114	9.75	0.156	0.10	0.81							
194	4.05	0.116	0.15	0.82	96	834	60	12 410	1 213.7	1963	83 12 - GPP
65	7.01	0.130	0.15	0.81	82	834	44	10 280	1 339.0	1974	78 12 - GPP
64	4.36	0.109	0.15	0.81	80	834	46	18 620	1 806.2	1976	82 12 - GPP
64	2.70	0.150	0.11	0.81	83	834	53	17 540	1 840.1	1978	85 12 - GPP
64	3.49	0.110	0.15	0.81	80	834	50	17 733	1 760.6	1981	83 12 - SUSP 83 09
64	2.81	0.101	0.15	0.81	80	834	56	16 588	1 620.8	1981	82 11 - SUSP 84 01
64	2.00	0.110	0.15	0.81	80	840	40	15 689	1 226.4	1982	86 12
64	5.60	0.120	0.20	0.93	28	873	38	14 445	1 132.2	1983	84 04
64	3.40	0.110	0.15	0.81	80	834	50	15 100	1 844.0	1983	84 04
64	4.88	0.115	0.15	0.81	80	834	50	17 758	1 763.3	1984	85 03
45	5.37	0.160	0.15	0.91	55	835	44	17 790	1 463.9	1984	87 12
64	5.70	0.110	0.10	0.86	53	845	58	19 449	1 744.5	1983	87 12
64	4.20	0.125	0.15	0.84	61	856	56	19 070	1 761.0	1984	87 12
64	0.40	0.140	0.15	0.81	125	830	56	18 400	1 671.8	1984	84 08
64	4.50	0.130	0.15	0.86	55	835	44	8 888	1 666.1	1986	87 02
64	2.00	0.140	0.30	0.80	85	870	60	19 461	1 799.0	1984	84 09
64	4.30	0.180	0.27	0.71	135	838	53	24 720	1 716.7	1985	86 03
2 010	1.42	0.056	0.26	0.68	156	810	65	18 894	1 931.4	1982	85 08
64	5.20	0.160	0.55	0.89	40	830	40	10 760	1 583.0	1983	83 12
64	0.23	0.074	0.26	0.69	136	810	74	17 000	1 984.8	1984	86 08 - ABAND 86 02
64	1.35	0.120	0.26	0.71	150	810	74	17 670	1 989.9	1983	87 12
64	3.20	0.120	0.34	0.84	60	768	58	10 773	1 716.2	1985	87 05
64	1.50	0.120	0.54	0.80	90	876	48	14 047	1 630.3	1981	82 05 - GPP
64	9.40	0.110	0.40	0.80	88	829	64	13 040	1 890.8	1981	82 08
64	8.00	0.120	0.48	0.80	85	889	68	12 905	1 602.5	1980	84 12 - SUSP 82 08
320	8.49	0.116	0.41	0.71	110	871	66	12 039	1 560.0	1982	86 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PEMBINA 048-07W5 (CONTINUED)								
LOBSTICK GLAUCONITIC Q	164.0	0.10		16.4		16.4	0.1	16.3
LOBSTICK GLAUCONITIC R	1 900.0	0.15		285.0		285.0	55.6	229.4
GLAUCONITIC T	395.0	0.10		39.5		39.5	0.7	38.8
GLAUCONITIC Z	330.0	0.01		3.3		3.3	0.1	3.2
LOBSTICK GLAUCONITIC FL&M	353.0	0.10		35.3		35.3	2.4	32.9
OSTRACOD D	239.0	0.06		14.3		14.3	8.4	5.9
OSTRACOD E TOTAL	3 557.0			427.0	770.0	1 197.0	411.7	785.3
PRIMARY AREA	207.0	0.12		25.0		25.0		
WATER FLOOD AREA	3 350.0	0.12	0.23	402.0	770.0	1 172.0		
OSTRACOD F	185.0	0.05		9.3		9.3	4.8	4.5
OSTRACOD G	400.0	0.21		84.0	ERSO	84.0	62.6	21.4
OSTRACOD H	23.4	<0.01		0.2		0.2	0.2	
OSTRACOD K	351.0	0.10		35.1		35.1	9.6	25.5
OSTRACOD M	103.0	0.10		10.3		10.3	0.8	9.5
OSTRACOD N	37.1	<0.01		0.1		0.1	0.1	
OSTRACOD O	46.0	<0.01		0.3		0.3	0.3	
KEYSTONE ELLERSLIE A	800.0	0.20		160.0	ERSO	160.0	143.0	17.0
ELLERSLIE D	155.0	0.10		15.5		15.5	1.8	13.7
ELLERSLIE E	423.0	0.03		12.7		12.7	5.8	6.9
ELLERSLIE G	3 740.0	0.05		187.0		187.0	40.0	147.0
ELLERSLIE I	129.0	0.10		12.9		12.9	4.0	8.9
ELLERSLIE K	67.5	0.10		6.8		6.8	0.7	6.1
ELLERSLIE L	266.0	<0.01		0.2		0.2	0.2	
ELLERSLIE M	106.0	0.10		10.6		10.6	0.1	10.5
ELLERSLIE N	28.2	0.10		2.8		2.8	0.2	2.6
ELLERSLIE F JURASSIC C&D	227.0	<0.01		0.2		0.2	0.2	
JURASSIC A	690.0	0.10		6.9		6.9	5.2	1.7
JURASSIC B	242.0	0.10		24.2		24.2	7.5	16.7
JURASSIC E	763.0	0.10		76.3		76.3	13.8	62.5
JURASSIC F	438.0	0.02		8.8		8.8	2.5	6.3
JURASSIC G	95.7	0.10		9.6		9.6	1.1	8.5
JURASSIC J	215.0	0.10		21.5		21.5	4.4	17.1
JURASSIC K	300.0	0.10		30.0		30.0	8.9	21.1
JURASSIC L	76.8	<0.01		0.1		0.1	0.1	
JURASSIC M	209.0	0.10		20.9		20.9	0.9	20.0
JURASSIC N	172.0	0.10		17.2		17.2	0.8	16.4
JURASSIC O	180.0	<0.01		0.1		0.1	0.1	
JURASSIC P	271.0	0.10		27.1		27.1	0.1	27.0
JURASSIC Q	315.0	0.10		31.5		31.5	2.4	29.1
PEKISKO A	118.0	<0.12		13.8		13.8	13.8	
PEKISKO B	98.6	0.10		9.9		9.9		9.9
BANFF A	705.0	<0.01		0.4		0.4	0.4	
BANFF B	525.0	<0.01		0.1		0.1	0.1	
BANFF C	104.0	<0.01		0.1		0.1	0.1	
BLUERIDGE A	650.0	0.15		97.5		97.5	47.4	50.1
BLUERIDGE B	364.0	<0.01		1.3		1.3	1.3	
BLUERIDGE C	199.0	<0.02		2.8		2.8	2.8	
BLUERIDGE D	410.0	0.15		61.5		61.5	17.4	44.1
NISKU A SOLVENT FLOOD	2 800.0	0.40	0.30	1 120.0	840.0	1 960.0	1 003.6	956.4
NISKU B WATER FLOOD	80.0	0.20	0.15	16.0	12.0	28.0	12.0	16.0
NISKU C WATER FLOOD	1 430.0	0.30	0.20	429.0	286.0	715.0	530.1	184.9
NISKU D SOLVENT FLOOD	4 800.0	0.40	0.32	1 920.0	1 540.0	3 460.0	1 761.7	1 698.3
NISKU E WATER FLOOD	700.0	0.20	0.13	140.0	90.0	230.0	136.7	93.3
NISKU F	2 100.0	0.35		735.0		735.0	78.1	656.9
NISKU G SOLVENT FLOOD	3 000.0	0.40	0.30	1 200.0	900.0	2 100.0	1 120.1	979.9
NISKU H WATER FLOOD	450.0	0.30	0.22	135.0	99.0	234.0	95.1	138.9
NISKU I WATER FLOOD	750.0	0.20	0.20	150.0	150.0	300.0	78.7	221.3
NISKU J WATER FLOOD	1 200.0	0.35	0.12	420.0	144.0	564.0	262.8	301.2
NISKU K SOLVENT FLOOD	2 430.0	0.40	0.40	1 040.0	1 040.0	2 080.0	922.7	1 157.3
NISKU L SOLVENT FLOOD	5 000.0	0.25	0.57	1 250.0	2 850.0	4 100.0	1 579.2	2 520.8
NISKU M SOLVENT FLOOD	2 850.0	0.40	0.35	1 140.0	998.0	2 140.0	922.1	1 217.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	4.10	0.130	0.40	0.80	85	860	56	12 814	1 870.9	1984	85 01
560	4.71	0.120	0.25	0.80	92	850	52	13 116	1 601.6	1984	87 07
64	12.85	0.120	0.50	0.80	85	877	65	12 365	1 787.4	1985	86 01 - SUSP 86 08
128	3.58	0.120	0.25	0.80	92	850	52	12 988	1 593.7	1985	87 07
64	11.30	0.090	0.32	0.80	75	876	60	12 362	1 616.1	1980	85 06
336	1.83	0.090	0.40	0.72	160	839	49	19 170	1 757.8	1975	82 12
3 249					123	840	57	15 866	1 618.2	1979	87 07
256	1.08	0.130	0.23	0.75							
2 993	1.24	0.160	0.25	0.75							
64	3.98	0.120	0.16	0.72	140	840	64	15 637	1 579.7	1980	84 12
965	0.83	0.100	0.30	0.71	105	810	57	14 953	1 729.7	1979	85 01
64	0.70	0.110	0.34	0.72	140	840	48	13 988	1 626.2	1981	82 08 - SUSP 85 07
64	5.80	0.150	0.16	0.75	109	888	64	15 851	1 591.0	1982	83 05
64	2.80	0.150	0.50	0.77	99	910	60	16 772	1 665.8	1984	85 05 - SUSP 86 01
64	1.10	0.120	0.43	0.77	99	879	60	16 016	1 636.8	1984	85 06 - ABAND 85 07
64	1.60	0.110	0.44	0.73	120	793	58	13 980	1 620.8	1980	85 08 - SUSP 85 09
333	2.90	0.140	0.20	0.74	115	865	69	15 550	1 769.5	1957	85 04
64	4.80	0.090	0.30	0.80	99	832	46	17 794	2 323.3	1978	81 12
64	14.00	0.090	0.30	0.75	99	832	46	17 961	2 319.5	1980	84 12
1 510	3.79	0.130	0.32	0.74	99	870	50	15 659	1 695.7	1982	87 05
64	2.80	0.130	0.25	0.74	116	863	67	14 728	1 561.1	1983	83 07
64	1.70	0.150	0.47	0.78	83	860	62	17 200	1 681.4	1982	83 03
64	6.90	0.134	0.40	0.75	110	860	60	16 835	2 075.5	1984	85 01 - SUSP 85 03
64	2.69	0.137	0.39	0.74	99	870	50	15 659	1 673.4	1984	85 07 - SUSP 87 02
64	1.20	0.070	0.30	0.75	115	855	60	21 103	2 243.3	1985	86 03 - SUSP 87 02
64	6.13	0.120	0.30	0.69	155	850	50	14 760	2 110.0	1981	83 03 - SUSP 82 08
64	17.50	0.110	0.30	0.80	91	870	37	12 993	2 298.8	1979	83 12 - GPP
64	5.20	0.130	0.30	0.80	80	848	78	19 557	2 277.1	1980	82 11
256	4.59	0.140	0.42	0.80	92	880	52	15 050	1 718.4	1982	86 12
128	6.09	0.090	0.22	0.80	176	830	79	18 950	2 383.6	1982	86 12
64	4.00	0.085	0.45	0.80	83	896	70	13 237	2 082.0	1982	83 11
128	3.35	0.110	0.43	0.80	92	865	50	15 579	1 735.6	1983	87 12
64	5.25	0.162	0.31	0.80	176	826	79	19 999	2 263.3	1985	85 11
64	2.00	0.150	0.50	0.80	80	860	60	16 565	1 958.5	1984	85 01 - SUSP 85 06
64	4.50	0.145	0.41	0.85	92	895	55	15 050	1 770.8	1985	86 05
64	3.31	0.164	0.38	0.80	90	885	44	15 625	1 776.6	1986	86 06
64	7.50	0.086	0.34	0.66	176	828	79	20 052	2 269.8	1985	86 07 - SUSP 86 02
64	8.72	0.098	0.25	0.66	176	828	25	18 840	2 294.5	1985	86 11
64	9.60	0.100	0.36	0.80	176	828	79	18 086	2 279.6	1986	86 12
65	1.83	0.150	0.20	0.83	53	910	88	19 620	1 868.4	1960	64 04 - SUSP 69 11
32	6.10	0.094	0.36	0.84	61	915	65	14 486	1 910.3	1986	87 05
64	10.00	0.200	0.32	0.81	75	880	60	17 285	1 641.0	1981	82 04 - ABAND 83 01
64	9.00	0.150	0.25	0.81	88	866	32	18 684	1 585.4	1983	83 11 - ABAND 83 10
64	3.06	0.113	0.42	0.81	84	866	56	17 370	1 689.8	1984	85 07
145	15.10	0.065	0.25	0.61	138	816	83	25 639	2 606.1	1977	79 08
64	22.10	0.050	0.22	0.66	162	811	83	17 343	2 796.0	1979	81 01 - ABAND 83 11
64	11.80	0.050	0.20	0.66	162	790	83	19 443	2 712.5	1979	84 12 - ABAND 85 08
64	30.20	0.059	0.41	0.61	210	829	84	22 635	2 587.3	1981	82 04
124	54.30	0.080	0.20	0.65	185	806	100	33 900	3 005.4	1977	85 10
34	7.47	0.085	0.26	0.50	318	780	99	30 175	2 911.0	1977	84 09
145	13.30	0.120	0.13	0.71	145	825	84	26 210	2 640.8	1977	80 03
143	39.00	0.120	0.10	0.80	140	841	82	25 781	2 583.7	1978	86 06
77	40.00	0.040	0.20	0.71	180	834	92	28 230	2 717.6	1977	82 09
170	16.66	0.119	0.18	0.76	89	852	83	26 640	2 550.2	1978	85 08
133	54.30	0.080	0.20	0.65	123	810	96	28 000	2 908.2	1978	81 05
76	10.12	0.095	0.12	0.70	148	833	89	27 173	2 767.7	1978	84 01
53	54.60	0.047	0.21	0.70	115	811	94	25 007	2 903.5	1978	85 08
69	52.40	0.066	0.25	0.67	142	809	90	27 730	2 791.0	1978	80 09
51	73.30	0.127	0.18	0.67	147	808	92	29 060	2 886.1	1978	87 04
253	30.10	0.105	0.12	0.71	124	821	93	28 620	2 869.7	1978	85 09
78	65.00	0.090	0.07	0.69	140	820	92	28 452	2 845.5	1979	83 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
PEMBINA 048-07W5 (CONTINUED)								
NISKU N WATER FLOOD	1 600.0	0.35	0.10	560.0	160.0	720.0	160.6	559.4
NISKU O SOLVENT FLOOD	1 700.0	0.40	0.33	680.0	650.0	1 240.0	444.4	795.6
NISKU P SOLVENT FLOOD	4 250.0	0.40	0.38	1 700.0	1 615.0	3 315.0	1 211.3	2 103.7
NISKU Q SOLVENT FLOOD	2 800.0	0.40	0.44	1 120.0	1 230.0	2 350.0	532.9	1 817.1
NISKU R WATER FLOOD	400.0	0.30	0.18	120.0	72.0	192.0	86.9	105.1
NISKU S WATER FLOOD	700.0	0.40	0.10	280.0	70.0	350.0	163.6	186.4
PENDANT D'OREILLE 003-08W4								
MANNVILLE F	170.0	<0.01		0.2		0.2	0.2	
PENHOLD 036-27W4								
VIKING A	125.0	<0.03		3.7		3.7	3.7	
VIKING B	680.0	0.15		102.0		102.0	58.1	43.9
VIKING C	40.4	<0.01		0.1		0.1		0.1
VIKING D	83.9	<0.01		0.4		0.4	0.4	
VIKING E	266.0	0.15		39.9		39.9	1.9	38.0
VIKING F	148.0	0.10		14.8		14.8	0.5	14.3
VIKING G	21.8	0.10		2.2		2.2	1.7	0.5
VIKING H	160.0	0.10		16.0		16.0	2.9	13.1
LOWER MANNVILLE A	1 490.0	0.06		89.4		89.4	52.6	36.8
LOWER MANNVILLE D	206.0	0.10		20.6		20.6	2.4	18.2
LOWER MANNVILLE E	240.0	0.10		24.0		24.0	2.4	21.6
LOWER MANNVILLE F	76.9	0.10		7.6		7.6	2.8	4.8
D-2 A	408.0	<0.03		10.1		10.1	10.1	
D-3 A	183.0	<0.02		3.4		3.4	3.4	
PINE CREEK 057-19W5								
BELLY RIVER A	87.0	0.10		8.7		8.7	0.6	8.1
CARDIUM L	64.6	0.10		6.5		6.5	4.3	2.2
CARDIUM M	143.0	0.12		17.2		17.2	8.9	8.3
CARDIUM N	151.0	0.10		15.1		15.1	4.0	11.1
CARDIUM O	157.0	0.10		15.7		15.7	1.3	14.4
CARDIUM P	49.8	0.10		5.0		5.0	1.7	3.3
CARDIUM H & I	6 100.0	0.10		610.0		610.0	329.3	280.7
CARDIUM J & K	22.8	0.10		2.3		2.3	1.4	0.9
SECOND WHITE SPECKS A	2 860.0	0.10		286.0	ERSO	286.0	224.7	61.3
SECOND WHITE SPECKS C	384.0	0.05		19.2		19.2	3.2	16.0
D-3 C	113.0	<0.28		31.5		31.5	31.5	
PINE NORTH-WEST 058-20W5								
SECOND WHITE SPECKS A	415.0	0.02		8.3		8.3	7.5	0.8
PINEDALE 054-16W4								
VIKING A	70.5	<0.01		0.1		0.1	0.1	
POUCE COUPE 080-12W6								
CHARLIE LAKE A	114.0	<0.01		0.3		0.3	0.3	
BOUNDARY A	132.0	<0.01		0.1		0.1	0.1	
HALFWAY A	153.0	<0.01		0.1		0.1	0.1	
HALFWAY B	124.0	<0.01		0.2		0.2	0.2	
HALFWAY C	616.0	0.15		92.4		92.4	16.2	76.2
HALFWAY D	458.0	0.10		45.8		45.8	1.7	44.1
DOIG A	255.0	<0.01		0.8		0.8	0.8	
POUCE COUPE SOUTH 078-12W6								
BOUNDARY B TOTAL	6 660.0			733.0	464.0	1 200.0	279.1	920.9
PRIMARY AREA	1 500.0	0.11		165.0		165.0		
WATER FLOOD AREA	5 160.0	0.11	0.09	568.0	464.0	1 030.0		
BOUNDARY C	133.0	0.10		13.3		13.3	10.2	3.1
BOUNDARY D	67.8	0.10		6.8		6.8	1.5	5.3
BOUNDARY E	113.0	0.10		11.3		11.3	3.6	7.7
BOUNDARY F	125.0	0.10		12.5		12.5	3.1	9.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
85	29.13	0.110	0.11	0.66	164	809	88	27 460	2 757.5	1979	85 12
140	18.93	0.118	0.16	0.65	148	809	88	30 861	2 844.3	1979	87 12
170	42.34	0.103	0.09	0.63	186	800	93	28 992	2 905.0	1979	87 05
122	33.86	0.098	0.09	0.76	150	819	91	28 719	2 871.5	1980	85 05
64	10.86	0.095	0.11	0.68	148	827	89	27 299	2 762.4	1980	84 01
35	35.42	0.096	0.16	0.70	127	831	84	26 542	2 632.0	1981	84 01
65	2.44	0.200	0.35	0.83	80	855	38	8 270	910.4	1969	70 09 - ABAND 70 06
64	3.13	0.110	0.30	0.81	78	849	51	8 630	1 680.4	1976	79 09 - SUSP 81 12
1 078	1.25	0.100	0.36	0.79	65	850	55	8 953	1 696.2	1981	87 03
64	1.50	0.130	0.60	0.81	66	812	68	10 140	1 748.3	1983	84 09 - ABAND 84 10
64	1.30	0.180	0.30	0.80	76	820	66	10 569	1 678.4	1982	84 12 - ABAND 85 10
64	5.00	0.130	0.20	0.80	78	850	60	7 695	1 714.8	1986	86 07
64	4.00	0.090	0.20	0.80	76	837	60	9 256	1 704.0	1986	86 10
64	1.00	0.070	0.40	0.81	60	831	64	7 645	1 714.5	1986	87 12
64	5.20	0.100	0.40	0.80	60	835	49	7 593	1 708.4	1986	86 12
231	7.40	0.130	0.14	0.78	91	877	69	14 760	1 885.2	1960	79 08 - GPP
64	4.00	0.120	0.14	0.78	91	830	69	16 068	1 986.5	1986	86 11
128	2.26	0.140	0.24	0.78	91	847	69	15 121	1 976.7	1986	87 05
64	2.30	0.100	0.33	0.78	91	830	69	13 393	2 035.4	1986	87 05
192	6.40	0.060	0.21	0.70	160	805	82	20 930	2 299.8	1961	83 07 - ABAND 84 01
65	5.18	0.109	0.17	0.60	217	825	77	20 410	2 312.5	1968	75 12 - SUSP 75 04
64	1.80	0.130	0.30	0.83	68	837	55	7 824	1 483.5	1957	85 10
64	2.20	0.087	0.15	0.62	190	821	60	19 768	1 801.7	1980	82 03
92	2.00	0.150	0.18	0.63	180		72	22 082	2 242.0	1981	86 12
64	3.20	0.150	0.30	0.70	135	820	65	19 991	1 786.5	1985	82 02
64	4.20	0.120	0.36	0.76	185	793	86	21 727	1 956.5	1985	85 08
64	1.70	0.110	0.35	0.64	185	793	86	20 026	2 047.0	1986	87 08
4 160	2.24	0.110	0.15	0.70	167	805	68	21 745	1 976.2	1974	82 02
64	1.20	0.050	0.15	0.70				22 654	2 037.2	1980	81 09 - GPP
1 066	10.00	0.042	0.10	0.71	127	815	77	27 188	2 263.7	1973	79 01
64	6.50	0.200	0.35	0.71	140	833	63	24 033	1 878.5	1981	83 12 - GPP
64	5.23	0.063	0.15	0.63	204	801	107	32 010	3 304.2	1959	76 05 - ABAND 79 08
65	7.62	0.150	0.30	0.80	78	806	68	20 480	1 845.6	1975	78 12 - GPP
64	1.20	0.170	0.40	0.90	38	856	33	4 741	645.4	1982	83 07 - SUSP 83 09
64	3.10	0.150	0.49	0.75	95	826	70	12 976	1 596.6	1984	85 03 - SUSP 85 09
64	4.00	0.080	0.14	0.75	100	855	60	10 905	1 598.0	1982	85 11 - SUSP 85 06
65	3.54	0.098	0.15	0.80	85	855	70	16 200	1 688.6	1975	78 09 - SUSP 75 03
64	4.80	0.101	0.50	0.80	74	840	55	16 652	1 688.0	1980	82 06 - SUSP 84 04
256	4.99	0.090	0.33	0.80	74	840	56	15 695	1 637.4	1984	85 12
64	9.20	0.120	0.19	0.80	75	847	60	13 899	1 593.4	1985	86 11
64	7.00	0.100	0.25	0.76	102	847	61	14 363	1 613.4	1985	86 11 - SUSP 86 03
2 386					135	826	75	16 720	1 862.8	1980	85 01
640	3.10	0.120	0.16	0.75							
1 746	3.44	0.130	0.12	0.75							
64	1.80	0.170	0.14	0.79	76	834	70	16 633	1 832.6	1973	82 12
64	1.30	0.120	0.14	0.79	76	834	70	16 695	1 819.4	1973	82 12 - SUSP 87 01
64	3.40	0.090	0.27	0.79	82	834	60	16 370	1 776.1	1981	83 01
64	2.70	0.110	0.18	0.80	70	847	70	16 572	1 795.9	1984	84 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
POUCE COUPE SOUTH 078-12W6 (CONTINUED)								
BDY A & CH LK B TOTAL	2 950.0			295.0	170.0	465.0	153.2	311.8
PRIMARY AREA	1 950.0	0.10		195.0		195.0		
WATER FLOOD AREA	998.0	0.10	0.17	99.8	170.0	270.0		
DOIG C	219.0	0.10		21.9		21.9	2.7	19.2
PREVO 039-01W5								
VIKING A	160.0	0.20		32.0		32.0	25.7	6.3
VIKING B	64.5	0.20		12.9		12.9	7.5	5.4
VIKING D	56.8	0.25		14.2		14.2		14.2
VIKING E	6.5	0.15		1.0		1.0		1.0
VIKING F	106.0	0.15		15.9		15.9	1.5	14.4
VIKING G	64.6	0.15		9.7		9.7	3.6	6.1
UPPER MANNVILLE A	106.0	0.06		6.4		6.4	4.6	1.8
UPPER MANNVILLE B	1 300.0	0.10		130.0		130.0	28.8	101.2
LOWER MANNVILLE C	359.0	0.10		35.9		35.9	5.0	30.9
PEKISKO A	170.0	0.10		17.0		17.0	3.4	13.6
PROGRESS 077-09W6								
DOE CREEK A	2 629.0	0.05		131.0		131.0	25.8	105.2
CHARLIE LAKE A	87.7	<0.01		0.1		0.1		0.1
CHARLIE LAKE B	14.5	0.10		1.5		1.5	0.2	1.3
CHARLIE LAKE C	145.0	0.10		14.5		14.5	1.0	13.5
CHARLIE LAKE E	122.0	0.10		12.2		12.2	0.3	11.9
CHARLIE LAKE F	92.9	0.10		9.3		9.3	1.3	8.0
CHARLIE LAKE G	1 250.0	0.10		125.0		125.0	20.0	105.0
CHARLIE LAKE I	196.0	0.10		19.6		19.6	3.8	15.8
CHARLIE LAKE J	138.0	0.10		13.8		13.8	1.6	12.2
CHARLIE LAKE K	173.0	0.10		17.3		17.3	1.3	16.0
CHARLIE LAKE L	269.0	<0.01		0.5		0.5	0.5	
BOUNDARY A	19.4	0.10		1.9		1.9	0.6	1.3
HALFWAY B	6 311.0	0.10		631.0		631.0	147.3	483.7
HALFWAY C	405.0	0.10		40.5		40.5	0.6	39.9
HALFWAY E	1 120.0	0.10		112.0		112.0	34.7	77.3
HALFWAY H	71.5	0.15		10.7		10.7	0.4	10.3
HALFWAY I	74.7	0.15		11.2		11.2	1.2	10.0
HALFWAY J	755.0	0.15		113.0		113.0	18.7	94.3
HALFWAY K	320.0	0.10		32.0		32.0		32.0
HALFWAY M	182.0	0.15		27.3		27.3	2.2	25.1
HALFWAY N	504.0	0.15		75.6		75.6		75.6
DOIG A	1 592.0	0.01		15.9		15.9	3.9	12.0
PROVOST 036-07W4								
VIKING P	180.0	0.05		9.0		9.0	1.7	7.3
VIKING V	170.0	0.15		25.5		25.5	14.6	10.9
VIKING Y	328.0	0.10		32.8		32.8	8.4	24.4
VIKING GG	106.0	<0.01		0.2		0.2	0.2	
VIKING RR	61.7	0.10		6.2		6.2	2.4	3.8
VIKING UU	13.9	0.10		1.4		1.4	0.1	1.3
VIKING CAK & MANNVILLE E TOTAL	93 000.0			5 284.0	5 461.0	10 750.0	7 648.5	3 101.5
PRIMARY AREA	39 100.0	0.08		3 128.0		3 128.0		
WATER FLOOD AREA	53 900.0	0.04	0.10	2 156.0	5 461.0	7 617.0		
VIKING GGG	55.9	<0.01		0.1		0.1		0.1
BLAIRMORE	1 850.0	0.12		222.0		222.0	196.6	25.4
BLAIRMORE B	3 970.0	0.20		794.0		794.0	710.7	83.3
MANNVILLE H	415.0	0.05		20.8		20.8	13.3	7.5
MANNVILLE I	745.0	<0.02		10.3		10.3	10.3	
MANNVILLE J	453.0	0.02		9.1		9.1	5.8	3.3
MANNVILLE L	3 360.0	0.02		67.2		67.2	28.9	38.3
MANNVILLE S	1 290.0	0.01		12.9		12.9	7.9	5.0
MANNVILLE T	190.0	0.02		3.8		3.8	2.3	1.5
MANNVILLE CC	204.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE E2E &LOWER MANNVILLE FF	178.0	0.10		17.8		17.8	0.5	17.3
UPPER MANNVILLE Y2Y	393.0	0.05		19.6		19.6	1.9	17.7
UPPER MANNVILLE Z2Z	166.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE F3F	493.0	0.02		9.9		9.9	1.3	8.6
LLOYDMINSTER A	684.0	0.03		20.5		20.5	6.9	13.6
LLOYDMINSTER D	1 780.0	0.10		178.0		178.0	32.4	145.6
LLOYDMINSTER G	100.0	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
1 110					93	834	70	16 408	1 780.7	1971	85 12
720	3.53	0.120	0.19	0.79							
390	2.77	0.136	0.14	0.79							
64	4.50	0.130	0.22	0.75	100	866	59	20 105	2 001.0	1985	86 05
4 650	0.69	0.080	0.25	0.83	58	827	58	9 634	1 697.7	1984	87 10
128	1.35	0.060	0.25	0.83	58	827	58	9 470	1 810.1	1984	87 11
64	1.50	0.095	0.25	0.83	58	814	58	8 853	1 730.4	1986	87 10
64	0.27	0.080	0.45	0.85	58	831	59	9 804	1 671.3	1985	87 10
128	1.57	0.103	0.36	0.80	80	828	48	9 756	1 677.2	1985	87 10
128	1.35	0.060	0.25	0.83	58	827	58	9 438	2 803.9		87 11 - GPP
64	2.42	0.130	0.25	0.70	89	870	66	16 200	1 940.7	1976	84 12 - GPP
64	24.50	0.130	0.20	0.80	75	897	65	15 786	1 848.7	1985	85 11
64	8.00	0.120	0.27	0.80	85	925	19	15 725	1 877.7	1985	86 04
64	3.20	0.125	0.20	0.83	65	931	73	11 063	2 008.4	1986	86 11
768	2.05	0.238	0.22	0.90	12	836	25	1 689	321.0	1985	87 12
64	2.40	0.100	0.32	0.84	67	813	62	13 268	1 681.2	1982	83 08 - SUSP 84 08
64	0.70	0.070	0.40	0.77	80	850	60	12 935	1 667.1	1983	85 08
128	2.64	0.107	0.48	0.77	80	850	60	12 893	1 658.9	1983	86 04
64	3.70	0.100	0.33	0.77	64	835	54	13 407	1 642.2	1983	85 08
64	4.10	0.100	0.54	0.77	64	849	67	13 461	1 648.5	1982	85 08
320	4.23	0.150	0.20	0.77	80	836	60	14 172	1 654.0	1985	85 09
64	3.20	0.160	0.18	0.73	118	825	55	12 481	1 681.4	1982	86 02
64	3.00	0.120	0.20	0.75	123	827	60	14 446	1 805.5	1985	86 02
65	2.80	0.170	0.14	0.66	150	813	62	18 632	1 827.0	1985	87 12
64	3.50	0.180	0.11	0.75	96	825	54	14 050	1 648.3	1985	87 12 - SUSP 86 04
64	0.60	0.080	0.21	0.80	68	840	72	15 591	1 826.0	1984	85 07
896	13.63	0.100	0.32	0.76	112	844	70	17 555	1 909.4	1976	86 11
64	11.43	0.091	0.20	0.76	112	840	70	16 514	1 906.8	1984	85 05
128	10.36	0.150	0.12	0.64	191	805	67	20 538	1 840.3	1981	86 02
64	3.00	0.070	0.30	0.76	120	836	60	20 317	1 743.6	1984	86 04
64	1.90	0.150	0.37	0.65	185	812	60	16 501	1 730.8	1984	86 04
128	7.96	0.130	0.23	0.74	126	821	60	16 653	1 733.9	1985	86 04
65	9.50	0.100	0.32	0.76	112	839	70	16 047	1 919.0	1985	86 08
64	3.87	0.148	0.32	0.73	185	820	58	17 029	1 763.5	1986	87 03
64	8.00	0.171	0.10	0.64	191	793	67	18 271	1 772.4	1986	87 04
128	21.90	0.090	0.16	0.75	94	830	70	16 908	1 892.2	1982	87 12
64	2.77	0.180	0.40	0.94	27	849	29	5 930	900.4	1977	85 12 - GPP
80	1.80	0.220	0.43	0.94	24	851	32	5 830	832.0	1976	87 12
128	2.50	0.210	0.48	0.94	23	851	30	5 303	849.4	1980	83 04 - GPP
64	2.20	0.160	0.50	0.94	23	858	32	6 009	842.5	1979	83 12 - SUSP 83 03
64	1.20	0.190	0.55	0.94	20	868	31	5 587	825.7	1976	83 08 - GPP
64	0.70	0.060	0.45	0.94	22	851	38	5 447	808.9	1984	85 11 - SUSP 86 02
65 606					25	855	36	5 720	891.5	1946	86 12 - GPP
32 086	1.56	0.260	0.68	0.94							SW=(SW=.50 + SG=.18)=.68
33 520	1.36	0.252	0.50	0.94							SW=(SW=.37 + SG=.13)=.50
64	1.22	0.130	0.40	0.91	38	857	37	5 940	757.4	1978	78 11 - SUSP 82 04
297	3.20	0.290	0.27	0.92	28	892	33	6 140	875.9	1958	86 05 - GPP
549	3.54	0.290	0.25	0.94	27	892	33	6 340	944.0	1958	83 12 - GPP
65	3.66	0.300	0.35	0.90	25	887	27	6 170	813.5	1972	73 12 - GPP
256	2.34	0.220	0.35	0.87	62	870	28	6 120	843.9	1973	80 12 - ABAND 87 05
65	4.27	0.240	0.25	0.91	34	881	34	6 210	935.4	1975	78 12 - GPP
256	7.00	0.260	0.24	0.95	21	900	28	5 990	827.8	1976	83 08 - GPP
65	8.84	0.300	0.20	0.94	25	910	37	5 740	787.3	1976	85 12 - GPP
64	3.23	0.200	0.49	0.90	35	876	30	6 095	877.4	1977	86 02
64	2.54	0.220	0.40	0.95	18	881	30	7 216	851.8	1979	82 12 - SUSP 80 06
64	3.20	0.170	0.40	0.85	24	872	41	4 100	1 156.1	1985	86 06 - SUSP 86 09
200	4.70	0.180	0.73	0.86	55	874	38	6 371	1 150.8	1984	87 04 - GPP
16	7.80	0.230	0.37	0.92	32	916	32	6 744	964.4	1982	83 02 - SUSP 84 04
64	6.90	0.230	0.50	0.97	25	882	31	5 775	805.1	1985	87 12
64	7.70	0.220	0.35	0.97	38	880	17	6 205	805.1	1979	82 12 - GPP
480	2.62	0.260	0.42	0.94	28	870	30	5 548	787.2	1983	84 12
16	3.50	0.330	0.40	0.90	42	964	30	6 165	905.8	1984	84 11 - ABAND 84 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
PROVOST 036-07W4 (CONTINUED)								
LLOYDMINSTER H	120.0	0.10		12.0		12.0	5.0	7.0
LLOYDMINSTER I	60.5	0.05		3.0		3.0	1.1	1.9
LLOYDMINSTER J	35.4	0.10		3.5		3.5	1.9	1.6
LLOYDMINSTER L	95.5	0.05		4.8		4.8	0.8	4.0
LLOYDMINSTER M	33.3	0.10		3.3		3.3	2.4	0.9
LLOYDMINSTER N	180.0	0.05		9.0		9.0	0.5	8.5
LLOYDMINSTER O	2 650.0	0.05		133.0		133.0	71.4	61.6
LLOYDMINSTER P	36.8	0.05		1.8		1.8	0.8	1.0
LLOYDMINSTER Q	40.7	0.10		4.1		4.1	0.1	4.0
LLOYDMINSTER R	503.0	0.05		25.2		25.2	2.2	23.0
LLOYDMINSTER S	102.0	0.10		10.2		10.2		10.2
LLOYDMINSTER T	89.5	0.10		9.0		9.0		9.0
CUMMINGS A	2 660.0	0.15		399.0		399.0	212.1	186.9
CUMMINGS B	63.0	<0.01		0.1		0.1		0.1
CUMMINGS E	223.0	0.10		22.3		22.3	0.7	21.6
CUMMINGS F	264.0	0.10		26.4		26.4	11.2	15.2
CUMMINGS G	111.0	0.20		22.2		22.2	10.6	11.6
CUMMINGS I	417.0	0.15		62.6		62.6	21.9	40.7
LOWER MANNVILLE A	226.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE D	257.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE L	72.9	0.15		10.9		10.9	6.2	4.7
LOWER MANNVILLE P	152.0	0.10		15.2		15.2	5.4	9.8
LOWER MANNVILLE W	430.0	0.02		8.6		8.6	3.9	4.7
LOWER MANNVILLE AA	98.1	0.10		9.8		9.8	5.0	4.8
LOWER MANNVILLE BB	297.0	0.15		44.6		44.6	3.4	41.2
LOWER MANNVILLE CC	357.0	0.10		35.7		35.7	2.3	33.4
LOWER MANNVILLE NN	154.0	0.05		7.7		7.7	2.5	5.2
LOWER MANNVILLE PP	126.0	0.10		12.6		12.6		12.6
ELLERSLIE C	147.0	0.10		14.7		14.7	0.4	14.3
ELLERSLIE D	1 050.0	0.10		105.0		105.0	53.6	51.4
D-1 A	20.7	0.10		2.1		2.1	0.1	2.0
D-2 A	119.0	<0.01		1.0		1.0	1.0	
D-2 B	318.0	0.05		15.9		15.9	0.2	15.7
PUSKWASKAU 074-01W6								
D-2 A	124.0	0.30		37.2		37.2	8.7	28.5
D-3 A	880.0	0.35		308.0		308.0	35.4	272.6
RACOSTA 031-11W4								
VIKING A	94.3	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE A	276.0	0.10		27.6		27.6	0.9	26.7
UPPER MANNVILLE B	243.0	0.10		24.3		24.3	0.2	24.1
BASAL QUARTZ A	750.0	0.10		75.0		75.0	27.3	47.7
RAINBOW 109-05W6								
SLAVE POINT B	373.0	0.10		37.3		37.3	5.6	31.7
SULPHUR POINT B	374.0	0.25		93.5		93.5	17.3	76.2
SULPHUR POINT C	642.0	0.06		38.5		38.5	28.3	10.2
SULPHUR POINT E	127.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT F	855.0	0.20		171.0		171.0	142.9	28.1
SULPHUR POINT I	292.0	0.05		14.6		14.6	8.2	6.4
SULPHUR POINT L	130.0	0.10		13.0		13.0	5.2	7.8
SULPHUR POINT O	604.0	0.20		121.0		121.0	59.5	61.5
MUSKEG A	639.0	0.08		51.1		51.1	45.3	5.8
MUSKEG B	54.7	<0.13		6.7		6.7	6.7	
MUSKEG C	2 000.0	0.30		600.0		600.0	352.9	247.1
MUSKEG D	300.0	0.02		6.0		6.0	5.9	0.1
MUSKEG F	3 180.0	0.15		477.0		477.0	288.0	189.0
MUSKEG G	159.0	<0.04		5.5		5.5	5.5	
MUSKEG J	248.0	0.08		19.8		19.8	12.0	7.8
MUSKEG K	1 060.0	0.15		159.0		159.0	41.4	117.6
MUSKEG M	115.0	0.15		17.3		17.3	11.9	5.4
MUSKEG N	2 473.0	0.15		371.0		371.0	41.2	329.8
MUSKEG O	6 280.0	0.13		816.0		816.0	192.8	623.2
MUSKEG P	135.0	0.15		20.3		20.3	4.6	15.7
MUSKEG R	52.5	<0.02		0.7		0.7	0.1	0.6
MUSKEG S	2 000.0	0.20		400.0	ERSO	400.0	144.3	255.7
MUSKEG T	493.0	0.15		74.0		74.0	25.3	48.7
MUSKEG Y	900.0	0.10		90.0		90.0	10.2	79.8
MUSKEG Z	339.0	0.10		33.9		33.9	0.9	33.0
MUSKEG AA	290.0	0.15		43.5		43.5	3.5	40.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	2.00	0.300	0.30	0.90	27	902	28	5 179	791.0	1984	84 11
32	1.00	0.300	0.30	0.90	42	902	30	5 094	789.0	1984	84 05
32	0.70	0.270	0.35	0.90	42	902	30	4 906	792.7	1984	84 05
16	3.70	0.280	0.40	0.96	25	937	30	5 568	782.9	1984	85 03
16	1.10	0.300	0.30	0.90	30	902	29	5 510	780.9	1984	85 08
32	3.22	0.300	0.40	0.97	11	970	30	5 598	788.1	1984	87 10
160	6.12	0.320	0.12	0.96	17	911	28	5 195	800.9	1985	86 09
16	1.20	0.300	0.29	0.90	25	902	26	4 975	759.1	1984	87 12
16	1.30	0.320	0.32	0.90	43	900	27	4 967	782.9	1984	86 08
64	4.30	0.290	0.35	0.97	15	880	28	5 538	811.7	1986	86 11
16	3.60	0.300	0.37	0.94	22	905	27	5 537	785.0	1985	87 08
64	1.30	0.220	0.48	0.94	17	870	32	6 858	934.7	1986	87 10
1 450	1.66	0.190	0.40	0.97	27	876	28	6 130	834.8	1973	87 12
64	1.00	0.170	0.40	0.96	18	888	28	7 180	946.2	1949	83 12 - SUSP 80 05
64	2.00	0.300	0.40	0.97	9	865	35	4 959	919.0	1983	84 03
64	2.10	0.270	0.25	0.97	9	875	33	5 468	796.1	1983	84 03
64	1.50	0.240	0.48	0.93	9	866	33	5 568	832.0	1983	87 12
256	0.87	0.280	0.31	0.97	25	910	29	5 366	787.2	1984	87 12
64	4.31	0.130	0.30	0.90	43	874	38	7 171	976.9	1977	78 08 - ABAND 78 06
64	3.40	0.200	0.35	0.91	35	892	32	6 770	1 000.8	1978	83 12 - SUSP 81 12
64	1.00	0.230	0.45	0.90	42	861	32	6 878	1 030.5	1980	87 12 - GPP
64	2.00	0.240	0.45	0.90		850	38	7 163	1 064.2	1981	82 03
64	5.30	0.240	0.45	0.96	15	865	30	7 036	1 049.2	1982	86 12
64	1.70	0.200	0.51	0.92	33	871	31	6 765	1 051.6	1984	85 01
64	2.20	0.310	0.26	0.92	20	877	29	7 250	1 053.1	1985	85 09
64	2.50	0.270	0.13	0.95	19	890	31	7 975	876.0	1985	85 11 - SUSP 86 10
16	7.10	0.220	0.25	0.82	28	949	37	6 358	965.8	1983	83 11 - GPP
64	1.40	0.240	0.35	0.90	37	889	41	6 261	1 054.6	1986	87 05
64	3.00	0.173	0.52	0.92	37	897	21	6 419	963.5	1985	86 04
112	5.24	0.270	0.28	0.92	32	912	34	6 490	965.8	1982	83 08
64	2.20	0.030	0.45	0.89	41	903	41	7 908	1 016.2	1980	84 05
65	5.49	0.070	0.40	0.80					1 131.4	1974	76 12 - SUSP 75 12
64	7.80	0.130	0.45	0.89	47	883	41	7 619	1 087.8	1986	87 02
64	7.00	0.060	0.19	0.57	246	822	88	27 608	2 610.0	1984	86 03
192	14.10	0.070	0.17	0.56	247	825	82	28 498	2 684.4	1984	86 03
64	2.47	0.134	0.50	0.89	37	852	27	5 494	895.1	1980	84 12 - SUSP 82 02
64	4.50	0.180	0.38	0.86	55	871	39	5 707	1 048.4	1981	84 05
64	4.00	0.180	0.38	0.85	64	871	38	7 442	1 048.2	1978	86 07
256	2.54	0.240	0.44	0.86	65	868	36	8 755	1 079.1	1979	82 09
64	9.80	0.110	0.40	0.90	45	854	40	12 550	1 241.6	1970	84 03
140	7.83	0.070	0.35	0.75	101	834	72	14 730	1 543.5	1967	86 12
192	5.37	0.100	0.18	0.76	121	839	68	15 355	1 595.4	1967	87 09 - GPP
65	6.10	0.055	0.25	0.78	89	849	74	14 560	1 636.5	1967	71 03 - SUSP 71 03
182	8.14	0.095	0.20	0.76	91	825	74	14 170	1 550.5	1970	84 12
64	11.36	0.081	0.34	0.75	95	829	86	13 886	1 550.8	1975	87 12 - GPP
65	5.79	0.080	0.45	0.79	75	844	94	15 310	1 671.8	1969	78 01 - GPP
41	17.37	0.112	0.09	0.83	65	839	81	16 980	1 739.3	1967	68 07 - GPP
119	7.22	0.097	0.08	0.83	56	844	86	15 440	1 762.7	1966	82 12 - SUSP 86 09
16	11.43	0.050	0.20	0.74	107	820	82	15 500	1 659.9	1966	76 12 - SUSP 76 11
270	10.65	0.104	0.12	0.76	92	834	84	16 580	1 580.1	1967	87 01
81	9.14	0.060	0.10	0.75	105	834	77	14 586	1 625.5	1967	84 12 - SUSP 83 07
970	9.14	0.057	0.15	0.74	103	825	88	15 480	1 639.5	1965	76 08 - GPP
81	5.76	0.050	0.15	0.80	56	834	86	14 550	1 604.2	1967	79 04 - ABAND 79 04
81	6.10	0.080	0.15	0.74	108	825	88	16 045	1 727.0	1973	82 12 - SUSP 86 11
64	19.00	0.120	0.10	0.81	129	884	82	16 984	1 717.1	1977	79 07
64	2.50	0.100	0.08	0.78	87	845	84	15 333	1 761.8	1983	83 09
512	11.05	0.065	0.17	0.81	62	834	86	15 000	1 864.0	1982	87 08
704	17.47	0.075	0.17	0.82	57	835	80	18 618	1 838.3	1968	85 05 - GPP
64	5.80	0.060	0.20	0.76	85	828	84	16 304	1 804.0	1965	84 08
64	3.00	0.060	0.40	0.76	95	838	85	14 670	1 621.5	1984	85 02 - SUSP 85 12
189	14.00	0.100	0.10	0.84	50	829	82	17 683	1 777.9	1967	87 10
103	11.86	0.060	0.20	0.84	56	833	81	20 690	1 866.7	1968	87 12 - GPP
297	6.03	0.073	0.16	0.82	60	835	80	20 994	1 775.5	1986	87 05
64	9.02	0.087	0.10	0.75	99	825	88	17 002	1 725.1	1985	86 08
64	10.00	0.070	0.20	0.81	62	840	86	9 377	1 837.4	1986	86 10

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
RAINBOW 109-05W6 (CONTINUED)								
MUSKEG BB	151.0	0.15		22.7		22.7	3.3	19.4
MUSKEG CC	114.0	0.15		17.1		17.1	1.4	15.7
KEG RIVER A	14 300.0	0.50	0.38	7 150.0	5 430.0	12 600.0	8 921.8	3 678.2
SOLVENT FLOOD								
KEG RIVER B	43 000.0	0.40	0.32	17 200.0	13 600.0	30 800.0	19 307.3	11 492.7
SOLVENT FLOOD								
KEG RIVER D	1 130.0	0.40	0.25	452.0	282.5	734.5	578.0	156.5
SOLVENT FLOOD								
KEG RIVER E	3 450.0	0.35	0.28	1 208.0	966.0	2 174.0	1 720.1	453.9
SOLVENT FLOOD								
KEG RIVER F	31 800.0	0.53	0.07	16 900.0	2 220.0	19 100.0	15 580.2	3 519.8
WATER FLOOD								
KEG RIVER G	2 380.0	0.40	0.37	953.0	882.0	1 840.0	1 333.1	506.9
SOLVENT FLOOD								
KEG RIVER H	2 350.0	0.40	0.35	938.0	821.0	1 760.0	1 363.9	396.1
SOLVENT FLOOD								
KEG RIVER I	7 300.0	0.37	0.11	2 760.0	810.0	3 570.0	2 547.5	1 022.5
SOLVENT FLOOD								
KEG RIVER K	1 780.0	0.35		623.0		623.0	474.9	148.1
KEG RIVER M	477.0	0.27		129.0		129.0	114.3	14.7
KEG RIVER N	2 300.0	0.30	0.13	690.0	310.0	1 000.0	742.1	257.9
GAS FLOOD								
KEG RIVER O	6 210.0	0.40	0.40	2 480.0	2 480.0	4 960.0	3 776.6	1 183.4
SOLVENT FLOOD								
KEG RIVER P	795.0	0.22		175.0		175.0	156.5	18.5
KEG RIVER R	71.0	<0.06		3.9		3.9	3.9	
KEG RIVER S	2 110.0	0.38		802.0		802.0	568.8	233.2
KEG RIVER T	3 500.0	0.42	0.33	1 470.0	1 155.0	2 625.0	1 806.5	818.5
SOLVENT FLOOD								
KEG RIVER U	3 250.0	0.26		845.0		845.0	720.6	124.4
KEG RIVER V	84.7	<0.01		0.4		0.4	0.4	
KEG RIVER W	340.0	0.15		51.0		51.0	30.4	20.6
KEG RIVER X	636.0	0.50		318.0		318.0	231.7	86.3
KEG RIVER Y	28.5	0.10		2.9		2.9	1.5	1.4
KEG RIVER Z	1 490.0	0.32	0.34	476.8	506.6	983.4	751.9	231.5
SOLVENT FLOOD								
KEG RIVER AA	15 900.0	0.57	0.22	9 060.0	3 380.0	12 400.0	6 629.6	5 770.4
SOLVENT FLOOD								
KEG RIVER DD	585.0	0.15		87.8		87.8	76.9	10.9
KEG RIVER EE	2 780.0	0.35	0.23	973.0	639.0	1 610.0	1 241.4	368.6
WATER FLOOD								
KEG RIVER FF	2 500.0	0.42	0.31	1 050.0	775.0	1 825.0	1 206.1	618.9
SOLVENT FLOOD								
KEG RIVER GG	1 786.0	0.50		893.0		893.0	495.9	397.1
KEG RIVER HH	752.0	0.02		14.8		14.8	3.2	11.6
KEG RIVER II	3 490.0	0.50	0.25	1 750.0	873.0	2 620.0	1 720.7	899.3
SOLVENT FLOOD								
KEG RIVER JJ	1 360.0	<0.43	0.12	583.0	164.0	747.0	499.5	247.5
WATER FLOOD								
KEG RIVER KK	787.0	0.41	0.09	323.0	70.9	394.0	206.1	187.9
WATER FLOOD								
KEG RIVER LL	1 590.0	0.15		238.0		238.0	195.6	42.4
KEG RIVER MM	1 840.0	0.35		644.0		644.0	216.0	428.0
KEG RIVER NN	679.0	<0.16		104.7		104.7	104.7	
KEG RIVER OO	950.0	0.35	0.12	333.0	114.0	447.0	267.7	179.3
WATER FLOOD								
KEG RIVER PP TOTAL	800.0			368.0	32.0	400.0	233.3	166.7
PRIMARY AREA	400.0	0.46		184.0		184.0		
WATER FLOOD AREA	400.0	0.46	0.08	184.0	32.0	216.0		
KEG RIVER QQ	1 210.0	0.35	0.18	423.0	218.0	641.0	367.9	273.1
WATER FLOOD								
KEG RIVER RR	413.0	0.40	0.13	165.0	53.7	219.0	203.7	15.3
WATER FLOOD								
KEG RIVER SS	477.0	0.10		47.7		47.7	29.4	18.3
KEG RIVER TT	41.5	<0.02		0.5		0.5	0.5	
KEG RIVER VV	319.0	0.36	0.11	115.0	35.1	150.0	131.1	18.9
WATER FLOOD								
KEG RIVER WW	477.0	0.20		95.4		95.4	55.5	39.9
KEG RIVER XX	183.0	0.35		64.1		64.1	26.5	37.6
KEG RIVER ZZ	300.0	0.40		120.0		120.0	99.9	20.1
KEG RIVER BBB	600.0	0.30		180.0		180.0	82.9	97.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.20	0.080	0.10	0.78	140	840	87	16 929	1 761.0	1984	86 10
64	4.90	0.060	0.12	0.69	129	840	82	20 776	1 723.0	1983	86 10
253	90.22	0.101	0.10	0.69	141	811	84	18 090	1 944.9	1965	70 02 - I.S. NO. 1
1 090	69.12	0.080	0.13	0.82	62	834	85	17 170	1 820.0	1965	84 07
34	46.32	0.100	0.08	0.78	77	825	82	17 780	1 923.3	1966	87 04 - I.S. NO. 1
55	79.83	0.117	0.08	0.73	95	829	83	17 130	1 808.4	1966	87 05 - 1.S. NO. 1
1 644	73.30	0.045	0.15	0.69	135	815	85	17 480	1 855.6	1966	75 05
65	68.58	0.080	0.08	0.72	85	829	83	17 860	1 874.8	1966	67 12 - I.S. NO. 1
19	176.00	0.094	0.08	0.80	78	829	84	20 350	1 893.1	1966	83 04 - I.S. NO. 1
415	53.00	0.055	0.15	0.71	122	820	79	16 450	1 739.2	1966	85 08
376	24.72	0.035	0.26	0.74	106	815	88	15 890	1 786.7	1966	70 02
106	16.40	0.047	0.22	0.75	106	797	84	15 620	1 680.1	1966	86 12 - GPP
422	25.61	0.037	0.25	0.77	87	815	84	15 860	1 839.8	1966	87 11 - 1 S NO. 2
281	61.26	0.060	0.13	0.69	135	815	84	16 550	1 845.0	1966	68 02 - I.S. NO. 1
40	33.71	0.085	0.11	0.77	88	834	83	16 730	1 875.7	1967	86 12 - GPP
20	12.19	0.045	0.20	0.80	76	855	87	15 550	1 727.3	1967	78 10 - SUSP 77 08
342	17.75	0.055	0.19	0.78	87	825	85	15 480	1 734.9	1966	84 12 - GPP
90	63.44	0.086	0.12	0.81	78	844	86	16 690	1 769.4	1967	87 08 - I.S. NO. 2
244	27.10	0.074	0.16	0.79	79	844	88	15 560	1 738.0	1966	80 07
65	5.49	0.048	0.29	0.70	99	844	87	14 960	1 502.4	1966	68 05 - SUSP 68 04
38	21.95	0.066	0.19	0.77	93	811	77	15 780	1 864.5	1967	81 12 - GPP
68	17.37	0.090	0.13	0.69	131	815	87	15 510	1 624.9	1966	81 07
64	5.79	0.020	0.45	0.70	126	820	87	15 200	1 561.5	1966	85 11 - SUSP 86 03
181	37.09	0.040	0.27	0.76	86	834	86	15 580	1 595.6	1967	86 10 - IS NO. 2
259	97.35	0.092	0.11	0.77	92	829	84	16 090	1 684.0	1967	76 03 - I.S. NO. 11
134	18.47	0.040	0.25	0.79	80	820	87	15 840	1 797.7	1967	82 12
148	45.04	0.063	0.14	0.77	88	834	86	15 170	1 686.5	1967	84 12 - 1.5. NO. 11
92	46.13	0.085	0.10	0.77	86	839	87	15 820	1 716.6	1967	87 08 - I.S. NO. 2
400	22.55	0.033	0.20	0.75	81	784	93	15 890	1 714.2	1966	87 03
65	42.06	0.046	0.25	0.80	85	820	84	17 930	1 881.5	1967	85 12 - SUSP 86 11
73	71.48	0.100	0.12	0.76	85	820	89	17 440	1 812.0	1967	84 01
51	48.77	0.085	0.10	0.72	110	815	90	16 990	1 817.5	1967	73 09 - I.S. NO. 11
154	22.46	0.040	0.25	0.76	74	779	94	16 290	1 741.9	1967	73 04 - I.S. NO. 11
304	35.97	0.026	0.30	0.80	68	797	86	15 480	1 603.0	1967	69 02
518	25.10	0.027	0.32	0.77	81	855	84	15 070	1 679.5	1967	84 06
166	13.01	0.053	0.23	0.77	70	806	86	15 310	1 612.8	1967	82 12 - SUSP 84 09
168	16.50	0.055	0.18	0.76	92	825	85	15 310	1 642.2	1967	87 01
128					106	784	94	15 490	1 668.5	1967	87 10
64	32.90	0.033	0.20	0.72							
64	32.90	0.033	0.20	0.72							
112	39.32	0.045	0.21	0.77	94	839	85	15 240	1 673.0	1967	69 07 - I.S. NO. 11
39	24.40	0.070	0.15	0.73	98	779	93	16 000	1 739.2	1968	84 12 - I.S. NO. 11
47	28.65	0.054	0.20	0.82	57	834	87	15 240	1 710.8	1968	75 12 - GPP
36	10.15	0.023	0.35	0.75	108	797	83	15 530	1 670.6	1967	77 09 - SUSP 77 11
71	22.00	0.040	0.25	0.68	74	834	73	16 130	1 750.5	1968	83 12 - I.S. NO. 11
50	58.49	0.030	0.30	0.78	81	849	82	15 170	1 509.9	1968	84 12 - GPP
39	18.87	0.040	0.20	0.77	75	825	84	15 480	1 747.4	1968	86 12 - GPP
45	27.43	0.040	0.22	0.78	84	834	87	15 070	1 513.3	1968	84 12
106	30.25	0.032	0.24	0.77	95	839	82	15 720	1 574.3	1968	84 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER CCC	556.0	0.35		195.0		195.0	141.4	53.6
KEG RIVER DDD WATER FLOOD	928.0	0.40	0.11	372.0	102.0	474.0	153.9	320.1
KEG RIVER EEE SOLVENT FLOOD	1 910.0	0.40	0.30	764.0	572.0	1 340.0	705.2	634.8
KEG RIVER GGG	569.0	0.40		228.0		228.0	25.3	202.7
KEG RIVER HHH	254.0	0.15		38.1		38.1	25.1	13.0
KEG RIVER III	187.0	0.40		74.8		74.8	1.7	73.1
KEG RIVER JJJ	195.0	<0.01		0.4		0.4	0.4	
KEG RIVER KKK	159.0	0.35		55.6		55.6	31.6	24.0
KEG RIVER LLL	378.0	0.30		113.0		113.0	35.5	77.5
KEG RIVER MMM	159.0	0.10		15.9		15.9	1.7	14.2
KEG RIVER NNN	375.0	0.20		75.0		75.0	1.0	74.0
KEG RIVER OOO WATER FLOOD	234.0	<0.20	0.08	45.1	18.7	63.8	63.8	
KEG RIVER QQQ	1 750.0	0.20		350.0		350.0	203.3	146.7
KEG RIVER RRR WATER FLOOD	1 380.0	0.40	0.10	552.0	138.0	690.0	255.7	434.3
KEG RIVER SSS	195.0	0.30		58.6		58.6	37.7	20.9
KEG RIVER TTT	454.0	0.30		136.0		136.0	94.2	41.8
KEG RIVER UUU	111.0	0.30		33.4		33.4	18.0	15.4
KEG RIVER VVV	137.0	0.10		13.7		13.7	5.1	8.6
KEG RIVER WWW	377.0	0.15		56.6		56.6	11.8	44.8
KEG RIVER XXX	233.0	<0.02		2.9		2.9	2.9	
KEG RIVER YYY	140.0	0.20		28.0		28.0	11.8	16.2
KEG RIVER ZZZ	205.0	<0.01		1.1		1.1	1.1	
KEG RIVER A2A	323.0	0.10		32.3		32.3	8.9	23.4
KEG RIVER B2B	132.0	0.15		20.0		20.0	1.4	18.6
KEG RIVER C2C WATER FLOOD	2 540.0	0.40	0.13	1 020.0	331.0	1 350.0	672.2	677.8
KEG RIVER D2D	90.0	0.15		13.5		13.5	1.9	11.6
KEG RIVER E2E	70.2	<0.02		0.9		0.9	0.9	
KEG RIVER F2F	108.0	0.25		27.0		27.0	3.4	23.6
KEG RIVER G2G	130.0	0.10		13.0		13.0	0.3	12.7
KEG RIVER I2I	147.0	0.25		36.8		36.8	8.2	28.6
KEG RIVER J2J	146.0	0.25		36.5		36.5	0.1	36.4
KEG RIVER K2K	180.0	0.25		45.0		45.0	7.4	37.6
KEG RIVER L2L	227.0	<0.01		0.2		0.2	0.2	
KEG RIVER M2M	200.0	0.15		30.0		30.0	2.3	27.7
KEG RIVER N2N	139.0	0.20		27.8		27.8	0.2	27.6
KEG RIVER O2O	1 300.0	0.35		455.0		455.0	16.2	438.8
KEG RIVER P2P	112.0	0.15		16.8		16.8	1.3	15.5
KEG RIVER Q2Q	280.0	0.25		70.0		70.0	2.5	67.5
KEG RIVER R2R	41.5	0.25		10.4		10.4	0.9	9.5
KEG RIVER S2S	322.0	0.25		80.5		80.5	4.7	75.8
KEG RIVER T2T	255.0	0.25		63.8		63.8	0.6	63.2
KEG RIVER U2U	397.0	0.25		99.3		99.3	2.8	96.5
KEG RIVER W2W	191.0	0.15		28.7		28.7	0.5	28.2
RAINBOW SOUTH 107-09W6								
SULPHUR POINT B	23.8	0.04		1.0		1.0	1.0	
MUSKEG A	37.0	0.24		8.9		8.9	8.9	
MUSKEG B	238.0	0.17		40.5		40.5	24.8	15.7
MUSKEG C	630.0	0.20		126.0		126.0	13.9	112.1
MUSKEG D	157.0	0.30		47.1		47.1	11.1	36.0
MUSKEG F	448.0	<0.01		0.2		0.2	0.2	
MUSKEG G	600.0	0.20		120.0		120.0	35.0	85.0
MUSKEG H	626.0	0.15		93.9		93.9	61.7	32.2
MUSKEG J	214.0	<0.04		7.0		7.0	7.0	
MUSKEG K	533.0	0.15		80.0		80.0	46.6	33.4
MUSKEG L	130.0	0.25		32.5		32.5	3.0	29.5
MUSKEG N	300.0	0.20		60.0		60.0	11.2	48.8
MUSKEG O	1 660.0	0.15		249.0		249.0	17.9	231.1
MUSKEG P	7 662.0	0.10		766.0		766.0	56.2	709.8
MUSKEG R	279.0	0.15		41.9		41.9	4.4	37.5
MUSKEG S	288.0	0.25		72.0		72.0	10.2	61.8
MUSKEG U	155.0	0.25		38.8		38.8	5.5	33.3
KEG RIVER A WATER FLOOD	5 720.0	0.46	0.08	2 630.0	445.0	3 080.0	1 690.9	1 389.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
41	39.93	0.050	0.15	0.79	89	839	80	15 860	1 562.7	1968	70 02
61	40.63	0.054	0.15	0.82	55	834	87	15 200	1 574.6	1968	70 12 - I.S. NO. 11
24	64.01	0.168	0.05	0.77	95	839	86	14 490	1 855.3	1968	72 02 - I.S. NO. 1
80	22.86	0.050	0.19	0.77	85	834	84	15 030	1 504.0	1968	73 08 - SUSP 86 04
303	9.69	0.018	0.40	0.80	68	797	84	15 490	1 590.1	1967	82 12 - GPP
38	20.33	0.042	0.25	0.77	85	834	82	15 070	1 514.9	1969	85 04
28	46.33	0.026	0.30	0.82	68	839	86	15 110	1 532.2	1969	71 01 - SUSP 70 07
11	40.84	0.053	0.15	0.79	82	834	88	15 700	1 892.8	1969	75 04 - GPP
69	35.84	0.025	0.27	0.84	55	844	87	15 110	1 523.4	1969	70 01
12	30.63	0.066	0.18	0.79	66	834	86	15 400	1 875.7	1969	75 06
65	33.83	0.033	0.35	0.80	67	839	79	15 240	1 604.5	1969	82 12
81	9.91	0.045	0.20	0.81	64	811	97	15 860	1 748.9	1970	83 12 - I.S. NO. 11
383	13.81	0.053	0.22	0.80	55	811	90	15 280	1 609.6	1968	87 12 - GPP
124	26.30	0.064	0.13	0.76	92	825	88	14 910	1 621.4	1967	87 01
65	10.06	0.047	0.16	0.76	101	825	84	15 360	1 687.7	1972	73 12
65	20.97	0.058	0.25	0.77	89	811	88	15 720	1 861.4	1973	77 02
31	12.41	0.048	0.20	0.76	92	815	83	15 479	1 688.0	1974	75 10
65	8.75	0.043	0.27	0.77	85	834	89	14 580	1 491.4	1976	85 04
32	54.00	0.040	0.30	0.78	81	810	87	14 866	1 579.0	1980	83 12 - SUSP 86 03
64	12.00	0.050	0.20	0.76	104	815	72	13 823	1 539.0	1982	82 07 - SUSP 84 04
45	50.00	0.020	0.60	0.78	81	783	93	12 801	1 614.5	1982	83 12
64	15.00	0.040	0.28	0.74	105	803	45	14 540	1 584.4	1983	84 05 - SUSP 84 08
64	11.50	0.060	0.13	0.84	100	824	86	15 395	1 692.8	1984	87 12
64	19.76	0.020	0.32	0.76	69	834	88	14 770	1 680.3	1982	85 08 - SUSP 86 03
71	74.55	0.080	0.10	0.67	140	815	84	20 460	1 906.2	1966	76 06
11	57.54	0.030	0.40	0.79	54	823	82	14 816	1 572.8	1985	86 06
64	19.00	0.015	0.45	0.70	112	800	100	17 040	1 946.5	1985	87 12 - SUSP 86 01
64	16.50	0.020	0.37	0.81	54	820	94	14 057	1 638.8	1985	86 03
64	31.00	0.013	0.38	0.81	64	820	65	12 880	1 621.5	1986	87 01 - SUSP 87 01
64	17.40	0.020	0.24	0.87	41	831	75	14 854	1 596.6	1985	86 03
64	34.00	0.016	0.50	0.84	53	820	81	13 706	1 527.0	1985	86 03 - SUSP 86 03
50	12.24	0.053	0.27	0.76	70	818	88	14 819	1 634.6	1985	87 07
64	10.50	0.051	0.15	0.78	81	828	84	11 600	1 503.3	1986	86 06 - SUSP 86 03
49	37.12	0.021	0.32	0.77	93	812	84	14 633	1 864.8	1985	87 07
64	26.40	0.020	0.45	0.75	86	786	90	13 811	1 764.7	1984	86 09
48	88.30	0.048	0.17	0.77	143	790	87	16 526	1 911.5	1986	87 12
64	23.00	0.019	0.40	0.67	143	780	87	14 847	1 836.5	1986	87 12
64	12.00	0.055	0.16	0.79	108	817	87	14 502	1 684.0	1986	86 12
64	11.00	0.011	0.33	0.80	55	760	90	15 081	1 650.5	1986	87 03
64	14.00	0.057	0.18	0.77	85	846	81	16 348	1 793.8	1968	87 03
64	57.00	0.016	0.44	0.78	81	843	84	13 706	1 525.5	1986	87 05
64	40.50	0.025	0.27	0.84	53	848	81	12 795	1 516.3	1986	87 05
64	36.00	0.017	0.35	0.75	85	835	82	14 090	1 516.0	1986	87 08
11	2.96	0.120	0.14	0.69	154	829	60	19 600	1 814.8	1968	78 09 - SUSP 78 06
5	18.07	0.080	0.20	0.64	180	811	88	19 997	1 893.4	1965	87 12 - SUSP 82 01
42	9.14	0.098	0.10	0.71	121	825	84	16 220	1 830.3	1966	71 01
64	16.75	0.090	0.13	0.75	160	820	89	17 462	1 925.2	1967	86 06
32	9.54	0.080	0.15	0.75	107	820	82	17 750	1 925.4	1968	82 05 - SUSP 86 08
64	16.70	0.080	0.25	0.70	124	825	72	17 360	1 903.0	1968	78 04 - ABAND 79 10
63	19.78	0.080	0.14	0.70	160	825	90	13 472	1 911.1	1978	86 09
65	17.68	0.080	0.10	0.76	89	820	77	17 350	1 829.4	1967	78 11
64	8.00	0.070	0.12	0.68	130	802	78	17 326	1 906.5	1979	83 05 - ABAND 85 12
153	7.00	0.084	0.13	0.68	160	789	90	17 551	1 922.0	1982	87 02
24	11.80	0.080	0.10	0.64	160	790	90	18 003	2 010.1	1983	85 04
38	14.43	0.080	0.10	0.76	86	789	87	14 566	1 867.4	1969	86 09
426	10.10	0.065	0.14	0.69	190	807	84	19 111	1 830.2	1984	87 10
1 344	12.14	0.069	0.17	0.82	57	838	81	17 000	1 828.2	1984	87 10
17	35.88	0.077	0.10	0.66	158	809	88	16 752	1 874.5	1985	87 01
64	6.50	0.120	0.10	0.64	160	789	90	18 950	1 930.5	1985	86 05
64	5.06	0.083	0.10	0.64	160	758	90	15 094	1 873.8	1967	86 09
167	65.17	0.097	0.14	0.63	176	801	81	18 600	1 945.2	1965	68 02 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
RAINBOW SOUTH 107-09W6 (CONTINUED)								
KEG RIVER B SOLVENT FLOOD	6 520.0	<0.46	0.35	2 940.0	2 270.0	5 210.0	3 438.8	1 771.2
KEG RIVER C	2 250.0	0.50		1 130.0		1 130.0	452.8	677.2
KEG RIVER D	207.0	0.30		62.1		62.1	22.5	39.6
KEG RIVER E WATER FLOOD	7 150.0	0.50	0.06	3 580.0	429.0	4 010.0	2 266.9	1 743.1
KEG RIVER F	1 280.0	0.15		192.0		192.0	155.9	36.1
KEG RIVER G WATER FLOOD	3 180.0	0.48	0.09	1 530.0	286.0	1 820.0	1 041.8	778.2
KEG RIVER J	514.0	0.35		180.0		180.0	65.0	115.0
KEG RIVER K	173.0	0.45		77.8		77.8	34.0	43.8
KEG RIVER L	95.2	0.45		42.8		42.8	26.0	16.8
KEG RIVER M	154.0	<0.04		5.6		5.6	5.6	
KEG RIVER N	5 000.0	0.35		1 750.0		1 750.0	258.6	1 491.4
KEG RIVER P	340.0	0.45		153.0		153.0	69.2	83.8
KEG RIVER S	476.0	0.45		214.0		214.0	96.9	117.1
RAINIER 017-15W4								
GLAUCONITIC B	100.0	0.10		10.0		10.0	7.0	3.0
RED COULEE 001-17W4								
MOULTON A WATER FLOOD	270.0	0.14	0.09	37.8	24.3	62.1	58.4	3.7
MOULTON B TOTAL	993.0			62.0	96.1	158.0	156.2	1.8
PRIMARY AREA	119.0	0.08		9.5		9.5		
WATER FLOOD AREA	874.0	0.06	0.11	52.4	96.1	149.0		
MOULTON C WATER FLOOD	540.0	0.23	0.13	124.0	70.2	194.0	192.8	1.2
SUNBURST A	299.0	0.04		12.0		12.0	10.3	1.7
SUNBURST B	445.0	0.11		48.9		48.9	45.8	3.1
RED EARTH 088-08W5								
SLAVE POINT A TOTAL	9 050.0			527.0	409.0	936.0	575.7	360.3
PRIMARY AREA	5 344.0	<0.06		267.0		267.0		
WATER FLOOD AREA	3 706.0	0.07	0.13	260.0	409.0	669.0		
SLAVE POINT C	240.0	0.15		36.0		36.0	30.4	5.6
SLAVE POINT E	4 000.0	0.06		240.0		240.0	190.1	49.9
SLAVE POINT F	119.0	0.10		11.9		11.9	9.8	2.1
SLAVE POINT G	137.0	0.10		13.7		13.7	9.8	3.9
SLAVE POINT Q	244.0	0.10		24.4		24.4	3.8	20.6
SLAVE POINT S	880.0	0.10		88.0		88.0	11.5	76.5
SLAVE POINT U	357.0	0.10		35.7		35.7	16.5	19.2
SLAVE POINT V	884.0	0.10		88.4		88.4	28.0	60.4
SLAVE POINT W	153.0	0.10		15.3		15.3	2.5	12.8
SLAVE POINT X	229.0	<0.01		0.1		0.1	0.1	
SLAVE POINT Y	248.0	0.10		24.8		24.8	0.3	24.5
SLAVE POINT Z	49.0	0.10		4.9		4.9	1.1	3.8
SLAVE POINT AA	74.0	0.10		7.4		7.4	0.6	6.8
GRANITE WASH A	14 400.0	0.30		4 320.0		4 320.0	2 879.1	1 440.9
GRANITE WASH B	76.6	0.20		15.3		15.3	8.2	7.1
GRANITE WASH C	2 370.0	0.35		830.0		830.0	654.6	175.4
GRANITE WASH D	254.0	0.20		50.8		50.8	4.9	45.9
GRANITE WASH E TOTAL	4 000.0			1 000.0	90.0	1 090.0	757.4	332.6
PRIMARY AREA	2 200.0	0.25		550.0		550.0		
WATER FLOOD AREA	1 800.0	0.25	0.05	450.0	90.0	540.0		
GRANITE WASH F	1 280.0	0.04		51.2		51.2	5.6	45.6
GRANITE WASH I	136.0	<0.06		8.1		8.1	8.1	
GRANITE WASH J	533.0	0.10		53.3		53.3	32.2	21.1
GRANITE WASH K	316.0	0.10		31.6		31.6	28.2	3.4
GRANITE WASH L	427.0	0.02		8.5		8.5	8.0	0.5
GRANITE WASH M	45.6	<0.09		4.0		4.0	4.0	
GRANITE WASH N	68.3	<0.17		11.4		11.4	11.4	
GRANITE WASH O	440.0	0.01		4.4		4.4	4.4	
GRANITE WASH P	132.0	0.15		19.8		19.8	8.4	11.4
GRANITE WASH Q	92.5	<0.02		1.5		1.5	1.5	
GRANITE WASH R	231.0	<0.01		0.1		0.1		0.1
GRANITE WASH S	159.0	<0.01		0.3		0.3	0.3	
GRANITE WASH V	372.0	0.30		112.0		112.0	13.0	99.0
GRANITE WASH CC	55.7	<0.02		0.8		0.8	0.8	
GRANITE WASH DD	745.0	0.25		186.0		186.0	17.7	168.3
GRANITE WASH EE	531.0	<0.01		2.5		2.5	2.5	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
223	79.86	0.060	0.14	0.71	162	811	85	18 820	1 969.0	1966	68 02
304	24.10	0.050	0.16	0.73	171	811	88	18 060	1 947.7	1966	86 06
101	18.35	0.028	0.30	0.57	225	775	92	18 620	1 943.1	1965	84 08 - GPP
177	92.57	0.075	0.12	0.66	159	806	90	18 930	1 964.1	1966	71 09 - GPP
46	69.22	0.086	0.18	0.57	249	797	88	22 328	1 903.8	1967	86 07 - GPP
85	72.48	0.088	0.11	0.66	160	806	88	18 510	1 917.8	1967	71 09 - GPP
30	19.40	0.138	0.15	0.75	101	801	92	17 830	1 941.6	1968	84 11
77	10.70	0.036	0.22	0.75	101	788	95	18 030	1 975.7	1968	82 10
20	13.56	0.057	0.20	0.77	88	797	98	18 290	1 971.6	1968	85 05
32	15.24	0.057	0.25	0.74	105	801	98	18 230	2 020.8	1969	71 05 - SUSP 85 10
172	61.74	0.073	0.14	0.75	159	796	69	18 170	1 983.6	1978	83 04
56	25.00	0.040	0.19	0.75	105	801	90	17 582	1 927.3	1982	85 03
33	16.48	0.120	0.11	0.85	78	784	94	16 716	1 958.4	1985	86 11
85	1.00	0.180	0.26	0.88	53	888	38	10 172	1 031.8	1981	82 12 - GPP
97	2.53	0.180	0.33	0.91	30	825	27	4 900	799.5	1952	68 07 - GPP
97					21	825	27	1 480	785.5	1965	77 03 - GPP
16	5.55	0.187	0.26	0.96							
81	8.14	0.187	0.26	0.96							
89	5.18	0.180	0.24	0.86	30	825	28	5 050	742.8	1965	85 12 - GPP
65	6.71	0.150	0.50	0.92	35	904	28	2 880	746.2	1975	87 12 - GPP
53	7.62	0.200	0.40	0.92	35	904	28	2 760	698.0	1931	76 12 - GPP
3 894					21	820	48	12 459	1 310.2	1958	87 09 - GPP
2 982	2.85	0.090	0.25	0.93							
912	5.03	0.090	0.25	0.93							
91	4.60	0.085	0.25	0.90	24	829	48	12 065	1 346.6	1968	82 12 - GPP
1 216	4.72	0.100	0.25	0.93	42	834	39	12 417	1 264.4	1970	85 07
65	3.35	0.076	0.20	0.90	43	829	82	13 180	1 325.3	1973	74 03 - GPP
65	3.35	0.100	0.30	0.90	43	829	43	13 310	1 328.3	1974	74 06 - GPP
64	6.27	0.100	0.34	0.92	21	821	39	8 803	1 254.0	1984	84 09
320	4.89	0.094	0.35	0.92	21	821	39	8 827	1 354.0	1983	86 06
64	12.00	0.100	0.50	0.93	25	826	41	10 328	1 255.0	1980	82 07
192	11.30	0.066	0.35	0.95	49	828	37	6 249	1 220.3	1981	86 12
64	5.52	0.062	0.25	0.93	19	825	39	12 403	1 262.5	1982	83 02
64	7.00	0.110	0.49	0.91	32	832	38	11 702	1 209.3	1983	85 05 - SUSP 85 04
64	5.00	0.120	0.32	0.95	16	829	37	9 891	1 205.5	1985	85 07
64	1.50	0.080	0.25	0.85	57	820	38	12 100	1 342.8	1984	85 08
64	2.91	0.084	0.45	0.86	21	830	39	11 740	1 313.7	1985	86 01 - SUSP 86 09
3 776	3.72	0.149	0.20	0.86	56	825	42	16 130	1 433.8	1958	75 12
65	1.83	0.094	0.20	0.86	56	825	43	15 820	1 438.4	1965	74 12 - GPP
832	3.00	0.140	0.21	0.86	56	825	42	16 000	1 460.9	1956	86 09
64	5.15	0.150	0.41	0.87	48	825	42	15 966	1 470.5	1965	86 08
1 136					56	825	42	15 380	1 492.0	1959	84 06 - GPP
944	3.15	0.130	0.33	0.85							
192	11.95	0.142	0.35	0.85							
384	4.25	0.130	0.29	0.85	64	826	42	15 850	1 501.4	1965	86 06
65	2.74	0.119	0.25	0.86	56	825	43	15 960	1 512.0	1963	74 12 - SUSP 83 09
256	3.60	0.120	0.44	0.86	56	825	53	15 122	1 503.0	1967	86 06 - GPP
64	5.36	0.134	0.20	0.86	56	825	42	15 960	1 516.0	1968	86 09
129	3.96	0.126	0.23	0.86	56	834	52	15 450	1 520.0	1958	84 03 - GPP
65	0.91	0.112	0.20	0.86	56	829	52	15 440	1 469.7	1970	71 03 - SUSP 85 07
65	1.28	0.120	0.20	0.86	60	834	48	15 620	1 506.6	1970	76 12 - SUSP 83 08
65	5.49	0.180	0.20	0.86	57	829	42	15 250	1 435.6	1973	76 12 - SUSP 76 01
64	2.00	0.150	0.20	0.86	56	832	42	17 740	1 466.0	1979	79 12 - GPP
64	2.00	0.120	0.30	0.86	56	834	72	14 756	1 473.5	1979	83 12 - SUSP 81 09
64	3.50	0.150	0.20	0.86	56	825	56	15 089	1 415.7	1980	81 12 - ABAND 81 01
64	3.20	0.180	0.50	0.86	56	825	48	15 277	1 438.9	1980	81 12 - ABAND 81 01
64	6.10	0.140	0.20	0.80	64	829	42	15 083	1 493.0	1982	83 02
64	1.50	0.110	0.38	0.85	64	831	42	15 148	1 519.3	1982	84 03 - SUSP 85 09
128	6.94	0.130	0.25	0.86	56	823	42	9 550	1 464.9	1983	86 08
64	6.70	0.180	0.20	0.86	48	845	49	15 737	1 443.3	1981	87 12 - SUSP 86 03

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
RED EARTH 088-08W5 (CONTINUED)								
GRANITE WASH HH	779.0	0.20		156.0		156.0	18.5	137.5
GRANITE WASH KK	86.2	<0.01		0.1		0.1	0.1	
GRANITE WASH LL	250.0	0.20		50.0		50.0	3.0	47.0
GRANITE WASH NN	410.0	0.20		82.0		82.0	4.6	77.4
GRANITE WASH OO	193.0	0.10		19.3		19.3	8.1	11.2
GRANITE WASH PP	376.0	0.20		75.2		75.2	4.6	70.6
GRANITE WASH QQ	32.7	0.25		8.2		8.2	4.1	4.1
GRANITE WASH RR	526.0	0.20		105.0		105.0	22.1	82.9
GRANITE WASH SS	38.3	0.15		5.7		5.7	0.5	5.2
GRANITE WASH TT	357.0	0.20		71.4		71.4	0.6	70.8
GRANITE WASH UU	54.4	0.15		8.2		8.2	7.2	1.0
GRANITE WASH VV	239.0	0.15		35.9		35.9	5.8	30.1
GRANITE WASH XX	258.0	0.25		64.5		64.5	11.8	52.7
GRANITE WASH YY	188.0	0.15		28.2		28.2	0.1	28.1
GRANITE WASH ZZ	354.0	0.15		53.1		53.1	2.2	50.9
GRANITE WASH AAA	39.5	0.20		7.9		7.9	1.3	6.6
GRANITE WASH BBB	78.3	<0.01		0.1		0.1		0.1
GRANITE WASH CCC	244.0	0.20		48.8		48.8	10.0	38.8
GRANITE WASH DDD	120.0	0.20		24.0		24.0	18.4	5.6
GRANITE WASH EEE	248.0	0.20		49.6		49.6	10.3	39.3
GRANITE WASH FFF	150.0	0.25		37.5		37.5	10.5	27.0
GRANITE WASH GGG	79.4	<0.01		0.1		0.1	0.1	
GRANITE WASH HHH	695.0	0.03		20.9		20.9	14.3	6.6
GRANITE WASH III	1 160.0	0.20		232.0		232.0	26.3	205.7
GRANITE WASH JJJ	291.0	0.25		72.8		72.8	14.0	58.8
GRANITE WASH KKK	284.0	<0.03		6.9		6.9	6.9	
GRANITE WASH LLL	152.0	<0.02		1.7		1.7	1.7	
GRANITE WASH MMM	973.0	0.30		292.0		292.0	188.2	103.8
GRANITE WASH NNN	232.0	0.10		23.2		23.2	0.5	22.7
GRANITE WASH OOO	89.0	<0.01		0.5		0.5	0.5	
RED ROCK 063-08W6								
CHINOOK A	57.3	0.10		5.7		5.7	0.4	5.3
CHINOOK B	138.0	0.10		13.8		13.8	3.7	10.1
CHINOOK C	132.0	0.15		19.8		19.8		19.8
RED WILLOW 039-16W4								
GLAUCONITIC A	228.0	<0.02		4.5		4.5	4.5	
GLAUCONITIC B	105.0	<0.01		0.2		0.2	0.2	
CAMROSE A	119.0	0.25		29.8		29.8	18.4	11.4
CAMROSE B	195.0	0.25		48.8		48.8	10.0	38.8
CAMROSE C	250.0	0.20		50.0		50.0	12.8	37.2
CAMROSE D	67.2	0.20		13.4		13.4	0.1	13.3
CAMROSE E	96.1	0.10		9.6		9.6	2.2	7.4
D-3 A	326.0	<0.01		0.3		0.3	0.3	
REDWATER 057-21W4								
UPPER VIKING G	225.0	<0.01		0.1		0.1		0.1
UP-MID-LOW VIKING A	3 710.0	0.10		371.0		371.0	183.1	187.9
LOWER VIKING B	4 000.0	0.10		400.0		400.0	149.9	250.1
LOWER VIKING H	360.0	0.10		36.0		36.0	28.7	7.3
LOWER VIKING Q	520.0	0.05		26.0		26.0	2.8	23.2
LOWER VIKING S	1 200.0	0.05		60.0		60.0	8.6	51.4
UPPER MANNVILLE E	270.0	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE E	253.0	0.15		38.0		38.0	33.1	4.9
BASAL MANNVILLE F	106.0	0.20		21.2		21.2	13.3	7.9
BASAL MANNVILLE H	1 977.0	0.05		98.9		98.9	39.4	59.5
BASAL MANNVILLE I	266.0	<0.01		1.4		1.4	1.4	
BASAL MANNVILLE J	243.0	0.10		24.3		24.3	12.7	11.6
BASAL MANNVILLE R	188.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE T	245.0	<0.01		0.2		0.2	0.2	
ELLERSLIE A	103.0	<0.01		0.1		0.1	0.1	
ELLERSLIE B	49.9	0.10		5.0		5.0	0.8	4.2
D-3	207 000.0	0.62		128 000.0		128 000.0	124 121.2	3 878.8
RETLAW 012-18W4								
MANNVILLE A	868.0	0.10		86.8		86.8	26.8	60.0
MANNVILLE II	288.0	0.03		8.6		8.6	2.4	6.2
MANNVILLE KK	139.0	0.10		13.9		13.9	5.4	8.5
MANNVILLE LL	1 500.0	0.20		300.0		300.0	84.8	215.2
MANNVILLE RR	31.8	0.10		3.2		3.2	0.2	3.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
256	3.37	0.140	0.25	0.86	56	834	42	14 921	1 490.2	1984	86 08
64	1.71	0.157	0.41	0.85	64	852	42	14 360	1 418.8	1984	85 03 - ABAND 86 01
64	5.50	0.150	0.45	0.86	56	843	48	8 185	1 493.9	1985	85 05
128	3.70	0.140	0.28	0.86	56	830	42	15 008	1 453.9	1984	86 08
32	6.20	0.210	0.46	0.86	48	825	42	14 740	1 432.3	1985	87 12
128	3.59	0.170	0.44	0.86	50	842	40	15 726	1 398.1	1984	85 08
80	0.58	0.132	0.38	0.86	54	835	36	15 616	1 413.9	1984	87 12
96	5.41	0.166	0.29	0.86	56	828	42	14 101	1 479.3	1985	86 06
64	1.39	0.091	0.45	0.86	47	826	46	15 274	1 489.7	1984	85 11
64	4.50	0.180	0.19	0.85	64	826	42	14 894	1 510.3	1985	85 12
64	1.68	0.107	0.45	0.86	53	836	36	15 389	1 410.4	1985	86 01
128	2.43	0.150	0.41	0.87	48	825	42	14 437	1 445.6	1984	86 08
64	4.50	0.160	0.35	0.86	56	823	41	14 915	1 467.6	1985	86 03
64	6.00	0.100	0.43	0.86	56	801	44	15 120	1 517.9	1985	86 03 - SUSP 86 11
64	4.50	0.210	0.32	0.86	52	833	38	15 689	1 435.0	1985	86 04
32	2.10	0.122	0.44	0.86	56	830	42	14 600	1 480.6	1985	86 05
64	3.20	0.090	0.50	0.85	64	826	42	14 240	1 506.2	1986	86 05 - SUSP 86 11
96	3.02	0.140	0.30	0.86	56	823	42	15 422	1 466.6	1986	86 09
64	3.00	0.119	0.39	0.86	56	825	42	15 443	1 495.4	1968	86 12 - GPP
64	4.53	0.140	0.29	0.86	56	834	42	14 516	1 455.9	1985	86 08
64	4.00	0.110	0.38	0.86	56	834	42	13 823	1 486.0	1984	86 08
64	2.20	0.080	0.18	0.86	56	834	42	14 397	1 502.9	1982	86 08
128	5.64	0.140	0.20	0.86	56	834	42	14 102	1 476.5	1983	87 12
192	5.64	0.160	0.23	0.87	48	825	42	14 346	1 472.1	1983	86 08
64	7.40	0.110	0.35	0.86	56	834	42	14 300	1 466.0	1985	86 08
64	4.30	0.150	0.20	0.86	56	834	42	14 605	1 487.7	1980	86 08
64	2.30	0.150	0.20	0.86	56	834	42	15 043	1 491.5	1983	86 08
192	5.40	0.154	0.30	0.87	48	825	42	15 896	1 450.3	1957	86 08
64	4.50	0.117	0.20	0.86	56	825	42	14 720	1 518.1	1969	86 09
64	1.39	0.194	0.40	0.86	70	835	40	7 240	1 415.1	1986	86 10 - SUSP 86 10
64	1.80	0.090	0.35	0.85	72	830	17	8 500	1 468.1	1979	85 07
64	4.22	0.105	0.39	0.80	133	809	44	11 580	1 605.2	1986	87 01
64	3.78	0.124	0.37	0.70	133	809	44	11 580	1 443.1	1987	87 12
64	3.00	0.220	0.35	0.83	71	868	39	8 697	1 132.0	1981	82 04 - ABAND 86 10
64	2.00	0.180	0.45	0.83	60	850	47	8 634	1 114.7	1981	82 10 - SUSP 82 11
29	9.56	0.053	0.10	0.90	56	890	48	9 730	1 335.8	1983	85 05
64	7.86	0.055	0.12	0.80	59	879	52	9 449	1 332.3	1983	84 05
64	8.30	0.084	0.30	0.80	50	900	38	9 078	1 230.6	1984	85 03
64	3.75	0.050	0.30	0.80	55	900	38	9 084	1 225.6	1985	86 07
32	8.30	0.060	0.33	0.90	36	903	43	9 254	1 246.0	1985	86 10
64	12.50	0.060	0.15	0.80	35	947	48	10 108	1 340.8	1981	84 12 - ABAND 84 07
64	3.00	0.200	0.35	0.90	36	882	45	5 102	631.6	1976	83 12 - ABAND 85 02
1 635	2.26	0.190	0.40	0.88	28	800	27	5 030	649.9	1976	83 10 - GPP
1 536	2.80	0.180	0.44	0.92	35	865	28	5 772	680.5	1974	83 10
268	1.14	0.220	0.42	0.92	37	847	31	4 605	647.5	1976	87 09 - GPP
256	2.40	0.180	0.49	0.92	30	872	28	5 594	715.7	1984	87 03 - GPP
448	3.57	0.160	0.49	0.92	30	844	28	5 841	665.5	1984	87 03 - GPP
64	3.00	0.260	0.40	0.90	44	885	30	5 996	754.5	1981	81 09 - SUSP 83 12
108	1.83	0.200	0.20	0.80		843	41	6 640	1 022.0	1954	84 12 - GPP
64	0.92	0.250	0.20	0.90	35	860	38	6 590	1 014.3	1976	83 12 - GPP
416	3.55	0.240	0.40	0.93	46	925	30	5 962	802.9	1977	86 10 - GPP
64	5.50	0.210	0.60	0.90	50	925	43	6 171	854.3	1979	83 12 - SUSP 82 11
64	2.50	0.260	0.35	0.90	43	855	30	6 751	946.1	1979	80 08 - GPP
16	8.50	0.270	0.45	0.93	30	931	35	6 083	866.1	1980	84 12 - ABAND 82 06
32	4.20	0.270	0.25	0.90	33	923	48	6 122	848.9	1981	82 11 - SUSP 83 12
16	3.00	0.300	0.23	0.93	26	948	34	5 712	832.1	1982	83 07 - ABAND 83 12
64	0.80	0.200	0.47	0.92	32	880	32	6 745	945.9	1984	85 03 - SUSP 86 12
15 199	31.39	0.065	0.25	0.89	33	844	34	7 340	977.8	1948	72 02 - GPP
560	1.72	0.176	0.36	0.80	64	870	34	11 650	1 108.0	1959	84 12 - GPP
128	3.70	0.100	0.30	0.87	62	876	32	10 880	1 092.6	1978	80 12 - GPP
64	4.30	0.080	0.25	0.84	74	865	36	10 560	1 089.5	1977	78 10
278	3.77	0.227	0.24	0.83	70	891	38	11 690	1 084.3	1979	87 11
64	0.60	0.150	0.35	0.85	66	886	30	11 576	1 074.1	1978	85 12 - SUSP 87 02

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
RETLAW 012-18W4 (CONTINUED)								
MANNVILLE SS	429.0	<0.01		1.0		1.0	1.0	
MANNVILLE TT	1 310.0	<0.01		2.8		2.8	2.8	
MANNVILLE B & D	300.0	0.04		12.0		12.0	8.0	4.0
MANNVILLE CCC	290.0	0.05		14.5		14.5	4.0	10.5
MANNVILLE DDD	52.8	<0.01		0.1		0.1	0.1	
MANNVILLE NNN	187.0	0.15		28.0		28.0	8.5	19.5
MANNVILLE RRR	473.0	0.05		23.7		23.7	9.5	14.2
MANNVILLE WWW	60.2	0.10		6.0		6.0	0.2	5.8
MANNVILLE YYY	48.4	<0.01		0.2		0.2	0.2	
MANNVILLE A2A	66.6	<0.02		0.8		0.8	0.8	
RICH 034-21W4								
VIKING B	153.0	0.05		7.7		7.7		7.7
VIKING C	185.0	0.10		18.5		18.5	2.7	15.8
D-2 A	200.0	0.40		80.0		80.0	26.3	53.7
D-3 A	1 290.0	0.45		580.0		580.0	574.2	5.8
WINNIPEGOSIS A	97.2	0.20		19.4		19.4	3.4	16.0
RICHDALE 030-13W4								
UPPER MANNVILLE F	216.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE G	1 394.0	0.10		139.0		139.0	28.6	110.4
UPPER MANNVILLE K	466.0	<0.02		5.0		5.0	5.0	
UPPER MANNVILLE L	1 110.0	0.10		111.0		111.0	15.1	95.9
UPPER MANNVILLE S	257.0	0.10		25.7		25.7	3.7	22.0
LOWER MANNVILLE F	116.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	122.0	0.10		12.2		12.2		12.2
RICINUS 034-08W5								
CARDIUM A TOTAL	11 740.0			1 713.0	278.0	1 991.0	1 447.7	543.3
PRIMARY AREA	4 600.0	0.20		920.0		920.0		
GAS FLOOD AREA	7 137.0	<0.12	0.03	792.5	278.0	1 071.0		
CARDIUM B	850.0	0.20		170.0		170.0	107.7	62.3
CARDIUM C	1 270.0	0.05		63.6		63.6	40.6	23.0
CARDIUM D	2 200.0	0.10		220.0		220.0	165.7	54.3
CARDIUM E	822.0	0.05		41.1		41.1	6.5	34.6
CARDIUM F	560.0	0.10		56.0		56.0	49.3	6.7
CARDIUM G	600.0	0.15		90.0		90.0	71.8	18.2
CARDIUM H	1 080.0	0.15		162.0		162.0	83.3	78.7
CARDIUM K	338.0	0.15		50.7		50.7	33.1	17.6
CARDIUM L	1 140.0	0.20		228.0		228.0	111.3	116.7
CARDIUM M	207.0	0.12		24.8		24.8	11.3	13.5
CARDIUM Q	4 850.0	0.10		485.0		485.0	425.8	59.2
CARDIUM S	1 253.0	0.10		125.0		125.0	36.7	88.3
CARDIUM T	2 260.0	<0.01		7.3		7.3	7.3	
CARDIUM V	3 160.0	0.10		316.0		316.0	83.1	232.9
CARDIUM W	4 290.0	0.10		429.0		429.0	226.0	203.0
CARDIUM X	832.0	0.12		99.8		99.8	79.1	20.7
CARDIUM Y	237.0	0.10		23.7		23.7	11.6	12.1
CARDIUM Z	450.0	0.03		13.5		13.5	9.6	3.9
CARDIUM AA	512.0	0.05		25.6		25.6	8.3	17.3
CARDIUM BB	327.0	0.03		9.8		9.8	1.9	7.9
CARDIUM CC	184.0	0.03		5.5		5.5	1.5	4.0
CARDIUM EE	956.0	0.10		95.6		95.6	38.7	56.9
CARDIUM FF	182.0	0.05		9.1		9.1	2.3	6.8
CARDIUM GG	262.0	0.10		26.2		26.2	8.1	18.1
CARDIUM II	323.0	<0.01		0.1		0.1	0.1	
CARDIUM KK	250.0	0.12		30.0		30.0	20.7	9.3
CARDIUM MM	435.0	0.15		65.3		65.3	4.4	60.9
CARDIUM NN	1 250.0	0.10		125.0		125.0	14.2	110.8
CARDIUM OO	116.0	0.10		11.6		11.6	3.9	7.7
CARDIUM PP	126.0	0.10		12.6		12.6	9.6	3.0
CARDIUM QQ	545.0	0.10		54.5		54.5	12.3	42.2
CARDIUM SS	759.0	0.10		75.9		75.9	9.0	66.9
CARDIUM TT	782.0	0.15		117.0		117.0	7.3	109.7
CARDIUM UU	246.0	0.05		12.3		12.3	8.4	3.9
CARDIUM VV	159.0	0.10		15.9		15.9	2.3	13.6
CARDIUM WW	134.0	<0.01		0.4		0.4	0.4	
CARDIUM XX	520.0	0.05		26.0		26.0	22.7	3.3
CARDIUM LL & RR	158.0	0.09		14.2		14.2	7.4	6.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	8.00	0.150	0.35	0.86	62	900	37	11 479	1 077.5	1980	84 12 - SUSP 82 09
128	14.88	0.134	0.41	0.87	58	900	37	11 078	1 082.5	1980	86 12 - SUSP 84 12
125	1.83	0.221	0.30	0.85	62	876	38	11 780	1 091.2	1959	84 12 - GPP
64	2.50	0.270	0.20	0.84	75	896	35	11 838	1 108.8	1981	84 12 - GPP
64	0.80	0.160	0.25	0.86	64	885	30	11 943	1 078.0	1980	83 12 - SUSP 83 06
65	3.00	0.170	0.35	0.87	62	870	33	11 366	1 097.4	1980	83 12
192	2.07	0.206	0.32	0.85	73	896	33	11 128	1 097.2	1982	85 09
64	1.10	0.180	0.46	0.88	56	899	34	11 373	1 097.3	1983	83 06
16	2.00	0.220	0.20	0.86	62	887	32	10 617	1 097.7	1983	84 03 - ABAND 84 02
32	1.70	0.180	0.20	0.85	73	896	33	10 574	1 091.7	1984	85 06 - ABAND 84 11
64	4.30	0.107	0.35	0.80	86	873	39	11 500	1 292.0	1986	86 12
64	4.00	0.140	0.40	0.86	46	860	40	6 350	1 194.5	1986	87 02
50	7.00	0.080	0.12	0.81	74	865	55	12 868	1 683.9	1983	84 12
15	99.80	0.110	0.10	0.87	64	857	65	14 327	1 796.3	1982	87 04
32	7.50	0.060	0.25	0.90	31	916	60	18 948	2 242.3	1986	87 04
64	4.30	0.160	0.46	0.91	37	882	37	9 147	1 120.5	1981	85 12 - SUSP 84 06
320	5.29	0.190	0.49	0.85	63	852	39	8 135	1 112.5	1979	86 11
395	1.01	0.210	0.33	0.83	80	855	38	9 119	1 117.2	1971	79 12 - SUSP 83 01
128	7.65	0.230	0.42	0.85	60	847	34	9 190	1 109.9	1983	84 09
64	6.24	0.180	0.58	0.85	63	824	37	9 330	1 115.9	1985	86 11
64	1.83	0.170	0.35	0.89	44	865	35	9 410	1 150.6	1977	82 12 - ABAND 81 05
64	2.00	0.230	0.50	0.83	68	859	38	8 700	1 145.2	1981	83 04
1 489					226	806	83	27 280	2 748.5	1969	86 08
465	12.75	0.140	0.12	0.63							
1 024	8.98	0.140	0.12	0.63							
94	11.38	0.170	0.27	0.64	250	815	82	27 421	2 732.0	1969	86 12 - GPP
695	1.83	0.150	0.10	0.74	131	820	72	17 110	2 467.0	1969	75 08 - GPP
413	8.53	0.120	0.20	0.65	158	815	84	23 890	2 764.5	1968	87 12
444	3.05	0.134	0.13	0.52	323	801	78	26 930	2 650.5	1969	79 12 - GPP
32	20.28	0.135	0.12	0.73	130	788	54	13 900	1 810.5	1969	86 10 - GPP
92	10.10	0.110	0.14	0.68	144	811	71	20 860	2 310.1	1970	83 03
101	18.80	0.098	0.18	0.71	159	806	60	18 930	2 024.8	1970	83 03
65	7.80	0.127	0.12	0.60	213	811	78	28 440	2 679.2	1969	85 12
64	17.70	0.153	0.10	0.73	119	815	71	13 973	2 320.9	1970	86 12
210	2.44	0.075	0.23	0.70	160	811	63	18 720	2 061.7	1971	76 12
705	8.82	0.120	0.11	0.73	113	815	75	15 896	2 511.2	1971	86 11 - GPP
128	12.36	0.150	0.12	0.60	230	806	70	15 501	2 371.7	1974	87 01
130	16.15	0.160	0.10	0.75	108	806	63	12 411	1 915.4	1974	83 12 - SUSP 81 11
256	14.45	0.130	0.10	0.73	131	811	49	13 290	2 105.7	1975	79 05
256	17.00	0.150	0.10	0.73	131	820	49	13 980	2 192.8	1975	79 05
213	6.43	0.100	0.19	0.75	108	806	63	13 618	2 157.1	1975	86 12
128	4.45	0.100	0.34	0.63	186	829	66	26 028	2 761.3	1977	87 08 - GPP
128	4.88	0.120	0.20	0.75	113	825	60	12 360	2 572.2	1977	85 12 - GPP
64	16.34	0.090	0.20	0.68	167	827	63	21 130	2 594.2	1977	82 12 - SUSP 86 06
64	8.94	0.100	0.16	0.68	151	828	60	17 880	2 434.2	1977	82 11 - SUSP 86 06
64	5.80	0.094	0.12	0.60	172	825	59	18 130	2 673.5	1978	82 12 - GPP
192	11.07	0.080	0.23	0.73	115	802	58	14 266	2 155.9	1981	85 03
64	5.40	0.090	0.20	0.73	113	811	64	15 000	2 454.5	1981	84 12 - GPP
64	7.00	0.100	0.20	0.73	130	810	66	15 868	2 518.5	1981	82 04 - GPP
64	9.00	0.090	0.20	0.78	91	806	68	15 343	2 572.1	1981	84 07 - SUSP 83 02
97	4.32	0.135	0.31	0.64	250	816	82	27 022	2 745.6	1969	83 10 - GPP
64	12.00	0.090	0.15	0.74	131	785	72	27 852	2 762.3	1983	84 09
64	29.40	0.115	0.25	0.77	91	806	68	14 043	2 237.7	1984	85 06
64	4.70	0.080	0.34	0.73	91	806	68	13 906	2 204.7	1984	85 06
64	5.02	0.069	0.26	0.77	108	814	64	12 891	2 324.6	1985	85 10
128	8.64	0.080	0.20	0.77	108	814	64	12 255	2 165.2	1985	87 01
64	15.70	0.115	0.10	0.73	108	814	64	11 992	2 279.3	1985	86 05
64	14.70	0.120	0.10	0.77	108	813	64	12 618	2 401.2	1986	86 07
64	5.60	0.110	0.14	0.73	119	815	71	16 324	2 512.2	1969	86 11
64	4.92	0.097	0.20	0.65	177	819	86	26 264	2 714.3	1986	87 01
64	3.16	0.100	0.15	0.78	91	805	68	26 355	2 370.0	1986	87 03 - SUSP 87 04
105	6.90	0.130	0.20	0.69	158	815	84		2 761.2	1969	87 12
64	4.81	0.085	0.15	0.71	160	805	60	19 075	2 154.3	1982	86 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RIVIERE 055-27W4								
WABAMUN A	424.0	0.15		63.6		63.6	2.3	61.3
ROCKYFORD 026-23W4								
UPPER MANNVILLE C	180.0	0.10		18.0		18.0	1.8	16.2
UPPER MANNVILLE D	135.0	0.15		20.3		20.3	6.6	13.7
LOWER MANNVILLE A	811.0	0.10		81.1		81.1	35.3	45.8
LOWER MANNVILLE B	279.0	0.20		55.8		55.8	20.5	35.3
LOWER MANNVILLE C	104.0	0.10		10.4		10.4	5.6	4.8
LOWER MANNVILLE F	81.1	0.10		8.1		8.1	1.2	6.9
ROSEBUD 027-21W4								
BLAIRMORE	420.0	0.16		67.2		67.2	62.6	4.6
ROWLEY 032-20W4								
VIKING C	123.0	0.10		12.3		12.3	5.6	6.7
LOWER MANNVILLE A	944.0	<0.01		3.9		3.9	3.9	
LOWER MANNVILLE C	364.0	0.10		36.4		36.4	12.6	23.8
PEKISKO A	8 760.0	0.03		262.0		262.0	172.4	89.6
PEKISKO B	61.9	<0.01		0.1		0.1	0.1	
ROYAL 053-15W4								
MIDDLE VIKING D	41.5	0.10		4.2		4.2	0.4	3.8
MIDDLE VIKING E	110.0	0.10		11.0		11.0	0.3	10.7
RYCROFT 077-05W6								
GETHING B	144.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A TOTAL	2 500.0			250.0	718.0	968.0	214.4	753.6
PRIMARY AREA	450.0	0.10		45.0		45.0		
WATER FLOOD AREA	2 050.0	0.10	0.35	205.0	718.0	923.0		
CHARLIE LAKE C	519.0	0.10		51.9		51.9	11.5	40.4
CHARLIE LAKE J	79.6	0.15		11.9		11.9	6.4	5.5
CHARLIE LAKE K	114.0	0.10		11.4		11.4		11.4
CHARLIE LAKE L	209.0	0.10		20.9		20.9	2.0	18.9
HALFWAY B	541.0	0.15		81.2		81.2	17.8	63.4
HALFWAY C	4 400.0	0.15		660.0	ERSO	660.0	142.9	517.1
HALFWAY D	267.0	0.15		40.0		40.0	5.6	34.4
SADDLE HILLS 076-08W6								
CHARLIE LAKE A	349.0	0.10		34.9		34.9	17.4	17.5
CHARLIE LAKE B	169.0	0.10		16.9		16.9	2.1	14.8
CHARLIE LAKE C	123.0	0.10		12.3		12.3		12.3
CHARLIE LAKE D	31.2	0.10		3.1		3.1	0.3	2.8
SAKWATAMAU 063-14W5								
GETHING A	1 350.0	0.10		135.0		135.0	53.9	81.1
GETHING B	69.3	<0.01		0.1		0.1	0.1	
BELLOY A	736.0	0.15		110.0		110.0	25.2	84.8
SAMSON 044-24W4								
BLAIRMORE A	1 460.0	<0.03		36.7		36.7	36.7	
SAWN LAKE 091-12W5								
SLAVE POINT A TOTAL	2 200.0			206.0	375.0	581.0	102.8	478.2
PRIMARY AREA	700.0	0.08		56.0		56.0		
WATER FLOOD AREA	1 500.0	0.10	0.25	150.0	375.0	525.0		
SLAVE POINT J	10 290.0	0.25		2 573.0		2 573.0	153.3	2 419.7
SLAVE POINT K	337.0	0.25		84.3		84.3	5.1	79.2
SEAL 082-14W5								
SLAVE POINT A	1 400.0	0.40		560.0		560.0	324.3	235.7
SLAVE POINT B	142.0	0.30		42.6		42.6	6.6	36.0
SLAVE POINT D	1 382.0	0.35		484.0		484.0	46.1	437.9
SEIU LAKE 025-18W4								
LOWER MANNVILLE G	776.0	0.05		38.8		38.8	7.3	31.5
SENEX 092-04W5								
KEG RIVER A	1 570.0	<0.03		33.3		33.3	33.3	
KEG RIVER B	1 367.0	0.25		342.0		342.0	26.0	316.0
KEG RIVER C	1 106.0	0.25		277.0		277.0	25.1	251.9
KEG RIVER D	368.0	0.35		129.0		129.0	11.5	117.5
KEG RIVER E	310.0	0.15		46.5		46.5	7.2	39.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	7.50	0.200	0.48	0.85	54	894	41	8 300	1 236.9	1985	85 10
64	3.00	0.180	0.35	0.80	54	885	46	10 305	1 482.8	1982	83 01
85	1.70	0.180	0.35	0.80	90	884	50	10 707	1 555.9	1985	87 12
128	6.12	0.190	0.31	0.79	90	879	50	10 711	1 518.3	1979	81 11
64	4.80	0.180	0.37	0.80	60	857	46	10 759	1 577.0	1981	84 07
64	2.00	0.170	0.40	0.80	72	855	46	10 615	1 557.6	1982	82 10
64	1.50	0.160	0.40	0.88	46	891	41	10 551	1 535.9	1984	85 10
312	1.25	0.173	0.26	0.84	44	876	49	10 000	1 415.2	1956	86 12 - GPP
128	1.43	0.140	0.49	0.94	20	825	38	2 500	1 201.2	1985	86 06
65	17.37	0.140	0.25	0.80	51	870	52	9 480	1 417.9	1964	75 12 - ABAND 75 02
65	6.10	0.150	0.25	0.82	66	870	54	7 960	1 360.3	1977	78 02
1 812	11.64	0.069	0.30	0.86	70	870	50	10 070	1 365.5	1960	73 06 - GPP
64	1.50	0.100	0.25	0.86	43	870	49	7 677	1 363.3	1981	82 12 - SUSP 82 09
64	0.80	0.180	0.50	0.90	40	840	30	4 052	650.9	1982	83 03 - SUSP 86 03
128	1.14	0.210	0.55	0.80	40	848	33	4 525	615.9	1980	84 08 - SUSP 86 11
64	3.50	0.120	0.37	0.85	60	811	50	10 649	1 234.5	1983	86 12 - SUSP 84 09
1 200					62	889	54	12 774	1 376.3	1981	86 06
232	1.92	0.139	0.13	0.83							
968	2.10	0.139	0.13	0.83							
256	1.57	0.192	0.20	0.84	63	865	54	13 057	1 404.8	1982	87 05
64	1.50	0.150	0.35	0.85	55	826	54	13 590	1 460.8	1983	86 03
64	2.16	0.128	0.23	0.84	63	885	54	12 462	1 450.3	1985	86 10 - SUSP 87 03
128	1.38	0.180	0.22	0.84	50	875	54	13 010	1 422.1	1986	86 11
192	4.95	0.150	0.52	0.79	93	835	55	13 318	1 415.6	1985	86 03
1 120	4.41	0.155	0.27	0.79	93	832	55	13 101	1 441.5	1985	87 07
128	3.09	0.138	0.38	0.79	80	835	45	12 639	1 384.1	1982	87 07
192	1.44	0.200	0.19	0.78	91	845	72	15 550	1 749.6	1984	85 07
64	2.40	0.170	0.17	0.78	91	845	72	15 530	1 757.4	1984	85 07
64	2.20	0.140	0.20	0.78	91	845	72	15 205	1 727.1	1982	85 07
64	0.59	0.129	0.20	0.80	70	835	70	14 323	1 724.4	1982	84 05
938	1.37	0.190	0.30	0.79	142	892	61	13 170	1 725.0	1977	85 10
65	1.43	0.120	0.25	0.83	142	892	59	13 090	1 664.5	1976	82 12 - SUSP 76 10
320	2.81	0.170	0.42	0.83	65	800	70	14 523	1 795.3	1984	86 10
324	3.99	0.186	0.25	0.81	50	887	60	10 830	1 465.5	1953	83 12 - SUSP 80 05
480					57	822	38	13 169	1 597.7	1983	87 09
288	4.71	0.075	0.21	0.87							
192	14.80	0.076	0.20	0.87							
2 643	10.12	0.068	0.35	0.87	57	822	38	13 521	1 605.9	1984	86 10
64	14.61	0.061	0.32	0.87	46	828	39	13 528	1 629.5	1985	85 12
562	4.50	0.092	0.30	0.86	42	830	68	18 287	1 809.4	1974	83 12
128	5.48	0.046	0.50	0.88	39	830	54	18 670	1 829.8	1983	86 05
256	10.94	0.066	0.16	0.89	35	818	52	2 317	1 797.5	1985	87 12
128	6.29	0.180	0.37	0.85	66	857	38	9 270	1 366.0	1979	82 12 - GPP
258	15.54	0.065	0.30	0.86	55	829	31	13 410	1 266.2	1969	78 04 - SUSP 81 03
448	4.81	0.100	0.31	0.92	27	831	35	13 463	1 279.5	1986	87 11
384	5.09	0.096	0.33	0.88	27	828	35	13 783	1 284.4	1985	87 11
64	14.30	0.067	0.31	0.87	42	831	49	13 698	1 270.4	1985	86 07
192	6.28	0.054	0.44	0.85	55	829	31	13 474	1 242.0	1986	87 03

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
SENEX 092-04W5 (CONTINUED)								
KEG RIVER I	238.0	0.20		47.6		47.6		47.6
KEG RIVER L	221.0	0.15		33.2		33.2		33.2
KEG RIVER M	125.0	0.25		31.3		31.3		31.3
SHADOW 074-18W5								
GILWOOD A	447.0	0.25		112.0		112.0	16.5	95.5
GILWOOD B	265.0	0.30		79.5		79.5	15.2	64.3
GILWOOD C	535.0	0.25		134.0		134.0	11.6	122.4
GILWOOD D	384.0	0.25		96.0		96.0	11.2	84.8
GILWOOD E	167.0	0.30		50.1		50.1	14.7	35.4
GILWOOD F	245.0	0.30		73.5		73.5	11.9	61.6
SHANE 077-02W6								
KISKATINAW SANDSTONE A	67.2	0.10		6.7		6.7	4.5	2.2
SHEKILIE 118-08W6								
MUSKEG A	95.3	<0.18		16.3		16.3	16.3	
MUSKEG C	233.0	<0.03		5.9		5.9	5.9	
MUSKEG D	280.0	<0.01		0.7		0.7	0.7	
MUSKEG E	213.0	<0.01		0.8		0.8	0.8	
MUSKEG F	110.0	0.20		22.0		22.0	9.0	13.0
MUSKEG G	120.0	0.20		24.0		24.0	10.3	13.7
MUSKEG H	100.0	0.05		5.0		5.0	3.4	1.6
MUSKEG I	75.0	0.35		26.3		26.3	6.5	19.8
MUSKEG J	266.0	0.15		39.9		39.9	5.3	34.6
MUSKEG K	118.0	0.25		29.5		29.5		29.5
KEG RIVER A	504.0	0.30		151.0		151.0	126.3	24.7
KEG RIVER B	445.0	<0.16		67.4		67.4	67.4	
KEG RIVER C	636.0	0.40		254.0		254.0	133.2	120.8
KEG RIVER D	493.0	0.40		197.0		197.0	142.7	54.3
KEG RIVER E	159.0	<0.07		9.6		9.6	9.6	
KEG RIVER F	238.0	<0.19		45.1		45.1	45.1	
KEG RIVER G	150.0	0.40		60.0		60.0	35.5	24.5
KEG RIVER H	121.0	0.35		42.4		42.4	21.6	20.8
KEG RIVER I	229.0	0.25		57.3		57.3	10.7	46.6
KEG RIVER J	388.0	0.35		136.0		136.0	84.2	51.8
KEG RIVER K	272.0	0.15		40.8		40.8	27.2	13.6
KEG RIVER L	100.0	0.30		30.0		30.0	14.3	15.7
KEG RIVER M	700.0	<0.04		26.9		26.9	26.9	
KEG RIVER N	50.0	<0.15		7.3		7.3	7.3	
KEG RIVER O	525.0	0.15		78.8		78.8	10.1	68.7
KEG RIVER P	754.0	<0.03		22.5		22.5	22.5	
KEG RIVER Q	500.0	0.30		150.0		150.0	55.4	94.6
KEG RIVER R	350.0	0.15		52.5		52.5	18.2	34.3
KEG RIVER S	41.2	<0.19		7.5		7.5	7.5	
KEG RIVER T	450.0	0.20		90.0		90.0	38.9	51.1
KEG RIVER U	250.0	0.35		88.0		88.0	61.6	26.4
KEG RIVER V	151.0	0.40		60.4		60.4	39.5	20.9
KEG RIVER W	661.0	0.15		99.0		99.0	55.9	43.1
KEG RIVER X	94.1	0.30		28.2		28.2	14.1	14.1
KEG RIVER Y	600.0	0.25		150.0	ERSO	150.0	119.8	30.2
KEG RIVER Z	470.0	0.30		141.0		141.0	32.3	108.7
KEG RIVER AA	282.0	0.20		56.4		56.4	12.3	44.1
KEG RIVER BB	139.0	0.20		27.8		27.8	7.1	20.7
KEG RIVER CC	270.0	0.35		94.5		94.5	48.1	46.4
KEG RIVER EE	200.0	0.35		70.0		70.0	27.7	42.3
KEG RIVER FF	2 680.0	<0.01		1.7		1.7	1.7	
KEG RIVER GG	320.0	0.30		96.0		96.0	33.9	62.1
KEG RIVER HH	583.0	<0.01		1.9		1.9	1.9	
KEG RIVER II	205.0	0.20		41.0		41.0	3.7	37.3
KEG RIVER JJ	98.5	0.30		30.0		30.0	5.1	24.9
KEG RIVER KK	759.0	0.20		152.0		152.0	10.7	141.3
KEG RIVER LL	190.0	0.30		57.0		57.0	21.8	35.2
KEG RIVER MM	153.0	0.30		45.9		45.9	19.1	26.8
KEG RIVER NN	200.0	0.40		80.0		80.0	30.8	49.2
KEG RIVER OO	340.0	0.20		68.0	ERSO	68.0	33.1	34.9
KEG RIVER PP	191.0	0.30		57.3		57.3	18.3	39.0
KEG RIVER QQ	795.0	0.40		318.0		318.0	251.0	67.0
KEG RIVER RR	210.0	0.35		73.5		73.5	34.7	38.8
KEG RIVER SS	190.0	0.30		57.0		57.0	6.0	51.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	9.60	0.080	0.43	0.85	55	830	37	13 368	1 263.4	1986	87 05
64	8.55	0.068	0.30	0.85	55	837	31	8 122	1 222.8	1986	87 05
64	4.40	0.075	0.31	0.86	55	830	31		1 250.7	1986	87 12
128	3.90	0.148	0.32	0.89	24	833	83	25 348	2 371.6	1985	87 05
128	2.59	0.130	0.31	0.89	36	840	86	25 206	2 344.3	1985	87 07
192	3.54	0.145	0.39	0.89	23	833	82	25 622	2 376.9	1985	87 12
128	3.06	0.162	0.32	0.89	36	840	86	25 672	2 379.7	1985	87 09
64	2.97	0.130	0.24	0.89	36	838	78	25 306	2 351.0	1984	84 08
64	4.50	0.129	0.26	0.89	26	843	78	25 308	2 352.4	1984	85 01
64	1.25	0.160	0.30	0.75	128	815	70	14 360	1 473.9	1977	77 12 - GPP
31	5.79	0.089	0.11	0.67	155	811	83	17 730	1 746.8	1971	75 03 - SUSP 84 10
64	7.60	0.084	0.15	0.67	135	811	83	13 593	1 664.7	1981	86 12 - SUSP 85 01
64	10.50	0.075	0.17	0.67	155	810	83	12 155	1 739.0	1983	86 12 - SUSP 84 07
64	7.80	0.070	0.13	0.70	155	810	83	17 107	1 701.4	1983	86 12 - SUSP 84 10
27	8.37	0.074	0.06	0.70	145	826	75	18 177	1 767.2	1984	87 12
19	11.40	0.092	0.13	0.70	120	834	76	17 000	1 788.7	1984	86 01
23	7.95	0.080	0.10	0.76	93	876	70	17 116	1 802.3	1983	87 05
9	14.39	0.092	0.10	0.70	153	838	68	17 047	1 751.5	1985	87 11
64	12.50	0.050	0.20	0.83	52	849	83	15 858	1 764.2	1977	86 08
64	4.00	0.065	0.11	0.80	66	841	88	20 276	1 761.3	1986	87 08
13	67.06	0.094	0.12	0.70	132	839	83	17 800	1 699.3	1970	86 12 - GPP
12	60.62	0.100	0.08	0.68	151	820	81	17 510	1 756.6	1971	82 12 - SUSP 79 02
26	40.75	0.100	0.10	0.68	170	839	83	18 310	1 727.6	1971	71 12 - GPP
15	94.49	0.065	0.15	0.63	176	820	79	18 600	1 728.2	1971	71 12
5	56.08	0.095	0.10	0.63	191	806	79	19 910	1 754.7	1972	74 12 - SUSP 74 11
5	113.39	0.073	0.14	0.69	138	825	84	18 580	1 748.0	1972	82 12 - ABAND 87 02
6	38.16	0.107	0.10	0.68	106	834	83	18 685	1 802.0	1974	87 12 - GPP
9	30.44	0.070	0.10	0.70	132	828	80	15 300	1 777.0	1979	82 12
16	28.40	0.090	0.20	0.70	120	834	83	17 940	1 715.8	1979	82 12 - GPP
64	15.00	0.070	0.15	0.68	150	825	74	15 300	1 765.5	1979	80 05 - GPP
25	24.40	0.075	0.15	0.70	132	819	83	20 276	1 722.0	1980	86 12 - GPP
23	8.50	0.080	0.20	0.80	138	823	86	16 104	1 825.3	1980	87 12 - GPP
10	94.00	0.100	0.15	0.80	132	834	83	16 629	1 789.5	1980	86 12 - SUSP 85 05
12	7.00	0.090	0.15	0.78	142	814	81	14 801	1 747.6	1980	82 01 - SUSP 84 10
11	90.00	0.080	0.15	0.80	126	825	85	17 367	1 777.0	1980	84 12 - SUSP 86 05
16	99.02	0.080	0.15	0.70	124	825	86	16 003	1 768.8	1980	86 12 - SUSP 84 10
11	64.73	0.120	0.14	0.68	122	835	93	14 879	1 714.0	1981	83 12 - GPP
10	75.70	0.080	0.15	0.68	143	820	50	18 292	1 750.5	1981	83 06 - GPP
7	28.00	0.040	0.25	0.70	115	835	87	16 094	1 832.0	1981	83 12 - SUSP 84 08
12	68.90	0.080	0.15	0.80	140	826	86	18 615	1 759.3	1980	86 12 - GPP
11	39.70	0.100	0.17	0.69	140	826	86	19 919	1 773.0	1980	82 01
16	17.60	0.090	0.15	0.70	150	825	83	17 730	1 685.5	1979	86 12 - GPP
64	31.90	0.070	0.32	0.68	176	845	83	20 720	1 746.0	1980	84 12
11	28.30	0.060	0.30	0.72	95	845	82	17 548	1 747.4	1981	83 12 - GPP
28	85.04	0.050	0.20	0.63	151	810	82	20 400	1 795.7	1980	87 11
17	63.20	0.067	0.13	0.75	135	830	68	17 403	1 816.0	1969	88 03 - GPP
64	15.00	0.060	0.30	0.70	138	833	69	15 440	1 817.5	1981	83 12 - SUSP 86 06
9	51.00	0.050	0.15	0.71	113	825	82	15 598	1 712.5	1981	85 12 - GPP
9	61.50	0.080	0.15	0.70	138	826	80	17 066	1 721.8	1982	84 05
11	41.80	0.080	0.20	0.68	130	835	95	15 949	1 828.2	1982	84 06
64	55.90	0.120	0.12	0.71	132	834	83	14 257	1 765.6	1983	86 12 - SUSP 84 09
16	38.00	0.090	0.14	0.68	113	834	74	16 928	1 814.0	1983	85 12
64	15.30	0.100	0.15	0.70	138	826	80	18 844	1 728.4	1983	86 12 - SUSP 85 04
16	31.50	0.070	0.17	0.70	138	826	80	16 420	1 741.3	1983	85 12
15	11.00	0.090	0.16	0.79	180	831	63	16 075	1 760.9	1983	85 10 - SUSP 86 05
64	24.50	0.080	0.11	0.68	146	821	83	11 360	1 818.7	1984	84 08 - GPP
8	46.50	0.085	0.09	0.66	133	818	70	19 936	1 783.0	1984	85 08
16	32.20	0.050	0.15	0.70	130	838	49	15 172	1 760.3	1983	85 12 - GPP
12	32.50	0.090	0.10	0.63	111	824	76	19 805	1 763.5	1983	84 11
28	35.13	0.059	0.14	0.69	133	816	89	19 700	1 789.7	1983	87 03
64	4.50	0.100	0.08	0.72	100	848	79	14 766	1 832.3	1982	83 12
30	55.50	0.073	0.10	0.72	119	845	70	17 102	1 742.0	1971	77 05
4	42.00	0.180	0.10	0.77	112	870	82	19 097	1 840.0	1983	85 07
5	71.00	0.080	0.15	0.77	96	845	71	18 030	1 780.0	1983	85 01 - SUSP 86 04

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SHEKILIE 118-08W6 (CONTINUED)								
KEG RIVER TT	530.0	0.30		159.0		159.0	35.1	123.9
KEG RIVER UU	400.0	0.10		40.0		40.0	21.0	19.0
KEG RIVER VV	250.0	0.30		75.0		75.0	17.4	57.6
KEG RIVER WW	306.0	0.25		76.5		76.5	25.1	51.4
KEG RIVER XX	45.0	0.30		13.5		13.5	4.4	9.1
KEG RIVER YY	300.0	0.30		90.0		90.0	15.5	74.5
KEG RIVER ZZ	700.0	0.30		210.0		210.0	11.9	198.1
KEG RIVER AAA	500.0	0.30		150.0		150.0	43.6	106.4
KEG RIVER BBB	450.0	0.15		67.5		67.5	4.3	63.2
KEG RIVER CCC	500.0	0.30		150.0		150.0	17.6	132.4
KEG RIVER DDD	300.0	0.25		75.0		75.0	10.6	64.4
KEG RIVER EEE	500.0	0.25		125.0		125.0	21.2	103.8
KEG RIVER FFF	1 300.0	<0.01		0.9		0.9	0.9	
KEG RIVER GGG	600.0	0.20		120.0		120.0	7.5	112.5
KEG RIVER HHH	200.0	0.25		50.0		50.0	4.4	45.6
KEG RIVER III	142.0	0.30		42.6	ERSO	42.6	26.0	16.6
KEG RIVER JJJ	825.0	<0.01		0.4		0.4	0.4	
KEG RIVER KKK	450.0	0.30		135.0		135.0	8.7	126.3
KEG RIVER LLL	300.0	0.30		90.0		90.0	16.2	73.8
KEG RIVER MMM	330.0	0.20		66.0		66.0	10.6	55.4
KEG RIVER NNN	131.0	<0.02		2.1		2.1	2.1	
KEG RIVER OOO	325.0	0.25		81.3		81.3	15.2	66.1
KEG RIVER PPP	100.0	0.15		15.0		15.0	2.7	12.3
SHOULDICE 020-23W4								
BOW ISLAND A	78.6	<0.01		0.3		0.3	0.3	
GLAUCONITIC A	204.0	0.10		20.4		20.4	14.6	5.8
GLAUCONITIC B	29.7	<0.01		0.2		0.2	0.2	
GLAUCONITIC E	2 205.0	0.20		441.0		441.0	69.7	371.3
GLAUCONITIC G	2 311.0	0.15		347.0		347.0	27.2	319.8
GLAUCONITIC H	351.0	0.15		52.7		52.7	2.5	50.2
ELLERSLIE A	61.2	<0.04		1.9		1.9	1.9	
ELLERSLIE B	82.9	<0.01		0.1		0.1	0.1	
ELLERSLIE C	370.0	0.15		55.5		55.5	28.2	27.3
ELLERSLIE E	172.0	<0.01		0.7		0.7	0.7	
SIMONETTE 063-26W5								
DUNVEGAN A	1 920.0	0.10		192.0		192.0	107.4	84.6
DUNVEGAN B	109.0	<0.01		0.2		0.2	0.2	
DUNVEGAN F	73.0	0.10		7.3		7.3	0.5	6.8
WABAMUN C	1 510.0	0.05		75.5		75.5	29.3	46.2
D-3	18 000.0	0.34		6 100.0	ERSO	6 100.0	5 733.2	366.8
D-3 B	526.0	0.30		158.0		158.0	32.2	125.8
D-3 C	2 136.0	0.30		641.0		641.0	37.4	603.6
SINCLAIR 075-12W6								
DOE CREEK B	1 600.0	0.10		160.0		160.0	7.2	152.8
DOE CREEK C	129.0	0.10		12.9		12.9	2.1	10.8
DOE CREEK D	1 780.0	0.10		178.0		178.0		178.0
SKARO 057-19W4								
COOKING LAKE	474.0	0.10		47.4		47.4	27.1	20.3
SLAVE 084-14W5								
SLAVE POINT H	5 080.0	0.30		1 520.0		1 520.0	432.3	1 087.7
SLAVE POINT L	1 360.0	0.30		408.0		408.0	71.4	336.6
SLAVE POINT N	313.0	0.30		93.9		93.9	10.8	83.1
SLAVE POINT O	339.0	<0.02		4.1		4.1	4.1	
SLAVE POINT P	31.3	<0.01		0.1		0.1	0.1	
SLAVE POINT Q	125.0	0.30		37.5		37.5	7.5	30.0
SLAVE POINT R	103.0	0.25		25.8		25.8	0.9	24.9
SLAVE POINT S	3 915.0	0.30		1 175.0		1 175.0	358.2	816.8
SLAVE POINT T	410.0	0.25		103.0		103.0	4.7	98.3
SLAVE POINT U	141.0	0.25		35.3		35.3	1.6	33.7
SLAVE POINT V	172.0	<0.01		0.1		0.1		0.1
SLAVE POINT X	185.0	0.30		55.5		55.5	2.7	52.8
SLAVE POINT BB	134.0	0.30		40.2		40.2	1.5	38.7
GRANITE WASH B	45.5	0.20		9.1		9.1	1.6	7.5
GRANITE WASH D	187.0	0.25		46.8		46.8	4.4	42.4
GRANITE WASH E	91.8	0.30		27.5		27.5	2.4	25.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
12	63.30	0.120	0.17	0.70	130	830	49	16 655	1 783.8	1983	85 06
8	93.80	0.090	0.20	0.74	146	827	83	13 891	1 831.5	1983	85 06 - GPP
17	24.80	0.100	0.14	0.69	130	824	98	19 274	1 824.8	1984	85 11
13	46.92	0.086	0.19	0.72	80	826	80	15 663	1 671.9	1984	86 12
6	33.08	0.041	0.21	0.70	138	826	80	17 050	1 735.1	1984	85 07 - GPP
19	20.30	0.120	0.10	0.72	120	835	56	17 868	1 760.0	1984	86 04 - GPP
18	56.40	0.110	0.13	0.72	105	803	85	18 619	1 776.3	1985	86 05 - GPP
11	80.20	0.095	0.11	0.67	86	808	91	18 413	1 756.6	1985	86 10
15	46.90	0.100	0.20	0.80	74	845	82	16 996	1 786.8	1985	86 04 - GPP
15	101.10	0.054	0.15	0.72	118	840	60	18 023	1 810.5	1985	86 04
7	98.80	0.070	0.14	0.72	113	840	64	15 554	1 838.0	1985	86 05 - GPP
11	66.50	0.113	0.16	0.72	114	840	61	17 824	1 862.0	1985	86 06
64	45.30	0.075	0.12	0.68	150	820	82	16 288	1 789.2	1985	85 08 - SUSP 85 05
10	87.00	0.095	0.10	0.80	74	834	82	21 460	1 804.2	1985	86 07
8	65.10	0.080	0.20	0.60	195	820	60	11 557	1 787.8	1985	86 05 - GPP
4	79.00	0.069	0.12	0.74	167	835	62	19 427	1 777.8	1985	87 10
64	34.50	0.066	0.18	0.69	130	808	98	14 755	1 776.3	1985	86 09 - ABAND 87 05
13	76.94	0.079	0.15	0.67	151	830	91	15 833	1 780.2	1986	86 12
10	46.09	0.103	0.11	0.71	120	845	71	15 040	1 890.0	1985	86 05
14	46.19	0.086	0.14	0.69	130	826	72	18 160	1 756.5	1985	86 05
23	33.35	0.076	0.17	0.62	153	830	76	16 750	1 785.5	1985	86 06 - SUSP 86 01
11	46.70	0.099	0.18	0.78	153	811	76	13 601	1 760.1	1986	87 08
14	11.67	0.100	0.15	0.72	133	841	70	18 796	1 784.5	1982	87 07
64	1.50	0.150	0.40	0.91	32	847	40	7 729	1 393.0	1984	84 09 - ABAND 84 03
64	3.60	0.160	0.30	0.79	64	845	37	14 000	1 669.2	1981	82 07
64	0.60	0.140	0.35	0.85	59	871	42	13 503	1 623.5	1982	83 02 - SUSP 83 02
192	7.43	0.230	0.16	0.80	92	849	39	13 529	1 650.9	1976	87 11
192	10.47	0.210	0.25	0.73	120	824	46	13 321	1 638.1	1986	86 10
64	5.76	0.172	0.30	0.79	98	813	42	12 710	1 624.3	1986	87 02
64	1.60	0.120	0.40	0.83	46	838	40	13 291	1 658.0	1981	83 02 - ABAND 86 02
64	1.50	0.160	0.35	0.83	66	859	44	14 490	1 717.3	1981	82 09 - SUSP 83 01
439	1.45	0.143	0.51	0.83	96	854	40	13 876	1 584.0	1981	85 04
64	4.50	0.120	0.40	0.83	66	873	51	14 414	1 679.8	1982	86 12 - ABAND 85 06
384	7.20	0.130	0.35	0.82	77	822	61	13 375	2 047.3	1980	87 02
64	3.30	0.098	0.36	0.82	70	822	61	13 565	1 927.0	1980	83 12 - ABAND 82 11
64	2.80	0.087	0.35	0.72	97	825	61	13 500	1 884.0	1984	85 09
64	44.50	0.100	0.17	0.64	172	825	96	32 890	3 351.0	1964	85 09 - GPP
3 136	29.00	0.062	0.16	0.38	552	792	105	35 670	3 533.5	1958	85 09
64	28.60	0.090	0.16	0.38	552	793	95	32 000	3 547.0	1982	83 04
64	126.20	0.080	0.13	0.38	555	788	105	36 074	3 572.7	1985	86 11
320	4.09	0.210	0.38	0.94	38	837	28	4 468	788.8	1984	86 06
64	2.80	0.150	0.40	0.80	84	861	32	6 674	1 086.0	1978	86 02
320	4.11	0.180	0.20	0.94	70	822	35	7 513	924.4	1986	87 08
80	5.63	0.170	0.32	0.91	28	860	41	8 480	1 119.2	1952	87 07 - GPP
832	10.08	0.085	0.19	0.88	32	827	50	17 200	1 744.5	1982	85 08
320	5.33	0.108	0.17	0.89	32	827	50	16 839	1 670.7	1984	86 04
64	8.70	0.085	0.29	0.93	12	825	56	16 270	1 790.8	1985	85 11
64	8.00	0.095	0.25	0.93	44	820	55	17 315	1 800.8	1984	87 12 - SUSP 86 03
64	1.31	0.060	0.33	0.93	12	825	56	16 744	1 803.1	1985	86 03 - SUSP 86 01
128	3.18	0.057	0.42	0.93	12	825	56	17 107	1 791.9	1985	86 03
64	6.05	0.060	0.48	0.85	12	830	56	16 039	1 773.2	1985	86 03 - SUSP 86 11
1 209	6.07	0.081	0.26	0.89	32	827	50	17 367	1 698.1	1984	87 10
128	8.63	0.057	0.26	0.88	39	847	54	15 878	1 791.1	1985	87 05
64	5.68	0.062	0.29	0.88	39	840	54	16 108	1 797.5	1985	86 05
64	5.00	0.090	0.32	0.88	36	823	50	16 277	1 690.4	1986	86 08 - SUSP 86 07
128	5.24	0.055	0.43	0.88	36	823	55	15 233	1 743.9	1986	87 05
64	5.09	0.063	0.26	0.88	36	818	50	6 605	1 794.9	1986	86 12
64	2.00	0.070	0.41	0.86	40	825	68	17 657	1 782.5	1985	86 03
64	2.80	0.150	0.18	0.85	46	835	69	5 900	1 753.7	1985	86 05
64	1.80	0.120	0.19	0.82	62	835	69	8 200	1 764.0	1985	86 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
SNIPE LAKE 071-18W5								
BEAVERHILL LAKE TOTAL	31 100.0			3 726.0	8 680.0	12 410.0	8 356.4	4 053.6
PRIMARY AREA	52.0	0.12		6.2		6.2		
WATER FLOOD AREA	31 000.0	0.12	0.28	3 720.0	8 680.0	12 400.0		
SOUNDING 030-09W4								
UPPER MANNVILLE D	215.0	0.05		10.8		10.8	2.0	8.8
SOUSA 113-04W6								
SULPHUR POINT A	319.0	<0.01		0.3		0.3	0.3	
KEG RIVER A	284.0	<0.04		11.2		11.2	11.2	
KEG RIVER B	140.0	0.10		14.0		14.0	3.5	10.5
KEG RIVER C	308.0	0.25		77.0		77.0	7.7	69.3
KEG RIVER D	1 390.0	<0.06		69.6		69.6	69.6	
KEG RIVER E	250.0	0.20		50.0		50.0	10.3	39.7
KEG RIVER F	891.0	0.10		89.1		89.1	66.0	23.1
KEG RIVER G	926.0	<0.01		1.9		1.9	1.9	
KEG RIVER H	396.0	0.12		47.5		47.5	41.4	6.1
KEG RIVER I	62.3	<0.04		2.3		2.3	2.3	
KEG RIVER J	256.0	<0.01		0.3		0.3	0.3	
KEG RIVER K	108.0	0.25		27.0		27.0	0.9	26.1
KEG RIVER L	132.0	<0.01		0.1		0.1		0.1
KEG RIVER M	260.0	0.25		65.0		65.0		65.0
KEG RIVER N	400.0	0.25		100.0		100.0	5.6	94.4
KEG RIVER O	151.0	0.25		37.8		37.8		37.8
KEG RIVER Q	272.0	0.25		68.0		68.0	2.3	65.7
SPIRIT RIVER 078-07W6								
DOE CREEK A	217.0	0.10		21.7		21.7	0.7	21.0
DOE CREEK B	170.0	0.10		17.0		17.0	0.1	16.9
DOE CREEK C	1 640.0	0.10		164.0		164.0	11.3	152.7
DOE CREEK D	89.3	0.10		8.9		8.9	0.3	8.6
DOE CREEK E	81.1	0.10		8.1		8.1		8.1
GETHING A	69.4	<0.01		0.1		0.1	0.1	
BALDONNEL A	171.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE D	240.0	0.10		24.0		24.0	8.3	15.7
CHARLIE LAKE E	1 756.0	0.10		176.0		176.0	37.9	138.1
CHARLIE LAKE F	54.8	0.10		5.5		5.5	0.3	5.2
CHARLIE LAKE J	61.8	0.30		18.5		18.5	8.9	9.6
CHARLIE LAKE K TOTAL	814.0			122.4	101.0	223.0	38.3	184.7
PRIMARY AREA	309.0	0.15		46.4		46.4		
WATER FLOOD AREA	505.0	0.15	0.20	76.0	101.0	177.0		
CHARLIE LAKE GH&I	135.0	0.10		13.5		13.5	4.2	9.3
HALFWAY F TOTAL	6 680.0			1 136.0	1 161.0	2 297.0	438.0	1 859.0
PRIMARY AREA	227.1	0.17		38.6		38.6		
WATER FLOOD AREA	6 453.0	0.17	0.18	1 097.0	1 161.0	2 258.0		
SPRING COULEE 003-23W4								
RUNDLE	413.0	<0.04		13.0		13.0	13.0	
ST. ALBERT-BIG LAKE 053-26W4								
BIG LAKE D-1 A	254.0	<0.17		41.3		41.3	41.3	
D-1 D	2 880.0	0.10		288.0		288.0	122.4	165.6
BIG LAKE D-2 A	500.0	0.65		325.0		325.0	289.7	35.3
BIG LAKE D-3 A	3 700.0	0.65		2 400.0		2 400.0	2 153.7	246.3
ST. ALBERT D-3 B	1 750.0	0.60		1 050.0		1 050.0	882.8	167.2
STANMORE 029-11W4								
UPPER MANNVILLE B	283.0	<0.06		15.1		15.1	15.1	
UPPER MANNVILLE G	356.0	0.03		10.7		10.7	6.2	4.5
UPPER MANNVILLE P	1 730.0	0.05		86.4		86.4	30.0	56.4
UPPER MANNVILLE W	36.5	0.10		3.7		3.7	0.5	3.2
UPPER MANNVILLE Y	168.0	0.10		16.8		16.8	2.0	14.8
UPPER MANNVILLE DD	190.0	0.10		19.0		19.0		19.0
UPPER MANNVILLE A&C	59.6	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	98.0	0.10		9.9		9.9	8.1	1.8
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	4.1	7.3
LOWER MANNVILLE L	148.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE Q	700.0	0.10		70.0		70.0	25.4	44.6
LOWER MANNVILLE T	171.0	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
7 237					59	839	88	26 340	2 601.2	1962	86 07
64	2.00	0.067	0.27	0.83							
7 173	10.49	0.068	0.27	0.83							
64	2.10	0.250	0.29	0.90	39	873	33	6 660	919.8	1971	85 06 - GPP
64	17.83	0.046	0.25	0.81	74	876	72	14 070	1 414.6	1969	71 05 - SUSP 85 03
22	33.22	0.060	0.20	0.80	80	839	74	15 220	1 540.5	1969	84 12 - ABAND 84 01
11	55.84	0.037	0.30	0.88	30	839	70	15 000	1 494.5	1967	86 06
16	84.70	0.037	0.31	0.89	32	834	75	14 940	1 478.0	1968	84 08 - SUSP 86 11
74	67.00	0.045	0.28	0.87	39	844	80	15 200	1 508.8	1969	77 03 - SUSP 84 08
16	29.26	0.075	0.15	0.83	62	849	71	14 930	1 495.3	1970	85 12
47	50.35	0.054	0.19	0.87	39	844	80	15 440	1 522.6	1970	84 12 - GPP
42	53.28	0.060	0.20	0.87	39	844	80	15 580	1 543.5	1970	85 07 - SUSP 84 04
25	62.88	0.040	0.29	0.87	39	844	80	15 200	1 527.0	1970	83 12 - GPP
11	49.01	0.020	0.37	0.89	32	829	75	14 790	1 488.6	1970	82 12 - ABAND 81 02
15	70.01	0.040	0.30	0.87	57	849	80	15 240	1 559.7	1970	81 05 - SUSP 82 09
64	30.30	0.010	0.36	0.87	39	848	80	14 175	1 486.2	1985	86 05 - SUSP 86 03
64	55.00	0.010	0.57	0.87	39	875	80	15 662	1 515.5	1986	86 05 - SUSP 86 03
64	50.00	0.017	0.45	0.87	39	843	80	14 844	1 520.0	1986	87 08
64	48.00	0.022	0.32	0.87	39	843	80	15 270	1 520.5	1986	87 08
64	25.00	0.016	0.32	0.87	95	843	80	14 736	1 502.0	1986	87 08
64	61.50	0.013	0.39	0.87	39	854	80	15 397	1 535.3	1985	87 09
64	3.00	0.170	0.26	0.90	39	850	24	1 503	306.5	1985	86 06
64	1.93	0.218	0.30	0.90	39	850	24	1 605	289.5	1985	86 06 - SUSP 86 06
576	1.86	0.220	0.26	0.94	21	840	29	5 350	553.8	1986	87 05
64	1.30	0.200	0.39	0.88	50	840	28	1 592	494.4	1984	87 04
64	2.00	0.120	0.40	0.88	50	840	28	5 029	490.9	1984	87 04
64	1.70	0.150	0.50	0.85	66	809	20	10 904	1 388.7	1981	83 04 - ABAND 85 06
64	4.42	0.130	0.38	0.75	100	810	52	12 287	1 456.9	1984	85 07 - ABAND 85 10
64	3.00	0.200	0.20	0.78	88	839	69	14 174	1 661.7	1980	80 12 - GPP
1 287	1.45	0.135	0.17	0.84	67	830	62	13 800	1 578.3	1982	87 04
64	2.00	0.090	0.42	0.82	60	830	70	13 482	1 627.0	1983	84 08 - SUSP 86 01
100	0.67	0.146	0.23	0.82	64	834	66	12 476	1 473.9	1983	87 12
384					100	837	59	13 166	1 429.3	1983	86 12
64	5.00	0.180	0.33	0.80							
320	1.75	0.166	0.32	0.80							
128	2.06	0.100	0.39	0.84	67	826	62	12 886	1 589.3	1982	85 07
1 553					91	825	58	13 260	1 431.0	1983	86 08
86	2.55	0.160	0.19	0.80							
1 467	4.24	0.160	0.19	0.80							
331	2.83	0.070	0.25	0.84	46	855	56	10 070	1 835.5	1950	78 10 - SUSP 84 11
110	5.85	0.058	0.20	0.85	70	849	53	9 310	1 225.9	1958	83 12 - SUSP 83 12
240	29.46	0.080	0.40	0.85	70	851	54	9 332	1 222.7	1953	83 10
130	16.50	0.034	0.22	0.88	71	844	55	10 620	1 336.5	1956	82 12
101	43.24	0.110	0.06	0.82	62	849	58	11 240	1 463.6	1956	82 12 - GPP
110	22.00	0.098	0.09	0.81	73	855	58	11 030	1 424.9	1952	83 12
65	3.71	0.195	0.32	0.90	42	876	38	8 880	1 043.6	1970	86 12 - SUSP 86 01
64	4.60	0.206	0.35	0.90	43	876	32	9 280	1 062.2	1976	79 12
480	3.51	0.200	0.43	0.90	56	865	37	9 408	1 048.5	1979	85 12 - GPP
32	2.00	0.120	0.50	0.95	20	910	30	9 419	1 047.2	1978	84 11 - SUSP 87 01
128	1.79	0.160	0.46	0.85	46	890	36	7 371	1 086.3	1985	86 06
64	4.70	0.210	0.65	0.86	35	875	32		1 078.0	1987	87 12
64	1.23	0.140	0.40	0.90	47	876	27	8 620	1 046.1	1972	78 02 - SUSP 79 02
65	1.83	0.120	0.25	0.92	34	892	38	9 300	1 038.8	1977	77 07 - GPP
64	1.23	0.240	0.30	0.86	51	887	37	9 240	1 045.0	1977	79 05 - GPP
64	2.00	0.180	0.30	0.92	36	876	39	6 270	1 066.1	1978	82 12 - ABAND 81 07
256	1.96	0.230	0.32	0.89	45	863	38	9 461	1 084.7	1980	87 12
64	2.30	0.210	0.40	0.92	126	858	50	9 631	1 087.7	1979	83 12 - SUSP 79 10

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
STANMORE 029-11W4 (CONTINUED)								
LOWER MANNVILLE X	62.2	0.15		9.3		9.3	5.9	3.4
LOWER MANNVILLE Y	130.0	0.10		13.0		13.0	2.2	10.8
LOWER MANNVILLE A&B	193.0	0.06		11.6		11.6	9.3	2.3
STETTLER 038-20W4								
LOWER MANNVILLE A	1 110.0	0.01		11.1		11.1	0.8	10.3
D-2 A TOTAL	9 430.0			2 833.0	1 380.0	4 213.0	3 988.3	224.7
PRIMARY AREA	210.0	0.30		63.0		63.0		
WATER FLOOD AREA	9 220.0	0.30	0.15	2 770.0	1 380.0	4 150.0		
D-2 B	95.0	<0.01		3.3		3.3	3.3	
D-2 C	310.0	<0.01		0.1		0.1	0.1	
D-3 A	6 150.0	0.60		3 690.0		3 690.0	3 255.4	434.6
D-3 B	400.0	0.65		260.0		260.0	229.6	30.4
D-3 D	106.0	0.60		63.6		63.6	8.5	55.1
D-3 E	172.0	0.10		17.2		17.2	1.5	15.7
D-3 F	103.0	0.25		25.8		25.8	1.1	24.7
D-3 G	20.8	0.60		12.5		12.5	5.0	7.5
STETTLER NORTH 039-20W4								
UPPER MANNVILLE A	618.0	0.08		49.4		49.4	37.4	12.0
STETTLER SOUTH 037-20W4								
D-2 TOTAL	1 600.0			288.0	80.0	368.0	282.3	85.7
PRIMARY AREA	600.0	0.18		108.0		108.0		
WATER FLOOD AREA	1 000.0	0.18	0.08	180.0	80.0	260.0		
D-2 B	132.0	0.18		23.8		23.8	4.7	19.1
D-3	407.0	0.65		265.0		265.0	237.6	27.4
STRATHMORE 022-25W4								
UPPER MANNVILLE A	227.0	0.05		11.4		11.4	10.4	1.0
LOWER MANNVILLE A	161.0	0.10		16.1		16.1	5.4	10.7
LOWER MANNVILLE B	1 263.0	0.10		126.0		126.0	6.5	119.5
LOWER MANNVILLE C	107.0	0.05		5.3		5.3		5.3
STURGEON LAKE 071-23W5								
D-3	7 060.0	0.50		3 530.0		3 530.0	3 318.0	212.0
STURGEON LAKE SOUTH 069-22W5								
TRIASSIC A	4 770.0	0.11		524.0		524.0	411.8	112.2
TRIASSIC B	1 200.0	0.20		240.0		240.0	223.3	16.7
TRIASSIC C	26.6	<0.01		0.2		0.2	0.2	
BLUERIDGE A	884.0	0.20		177.0		177.0	124.5	52.5
D-3	49 000.0	<0.57		27 800.0		27 800.0	20 742.6	7 057.4
D-3 B	1 210.0	0.10		121.0		121.0	114.3	6.7
D-3 C	818.0	0.55		450.0		450.0	153.6	296.4
D-3 D	268.0	<0.01		1.8		1.8	1.8	
SULLIVAN LAKE 034-14W4								
BASAL QUARTZ A	156.0	<0.01		0.4		0.4	0.4	
BANFF A	195.0	0.10		19.5		19.5	1.3	18.2
SUNDRE 034-05W5								
VIKING A	382.0	0.10		38.2		38.2	18.0	20.2
VIKING B	214.0	0.10		21.4		21.4	4.4	17.0
VIKING C	97.9	0.10		9.8		9.8	0.8	9.0
VIKING E	72.2	0.10		7.2		7.2	0.6	6.6
VIKING F	291.0	0.10		29.1		29.1	11.4	17.7
RUNDLE A TOTAL	13 200.0			3 248.0	2 540.0	5 788.0	5 028.0	760.0
PRIMARY AREA	488.0	0.15		73.2		73.2		
WATER FLOOD AREA	12 700.0	0.25	0.20	3 175.0	2 540.0	5 715.0		
RUNDLE B TOTAL	3 134.0			494.0	333.0	827.0	617.3	209.7
PRIMARY AREA	754.0	0.15		113.0		113.0		
WATER FLOOD AREA	2 380.0	0.16	0.14	381.0	333.0	714.0		
RUNDLE C	129.0	0.10		12.9		12.9	0.9	12.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.00	0.180	0.40	0.90	18	863	37	6 234	1 072.5	1984	87 12
64	1.17	0.260	0.25	0.89	62	889	37	8 517	1 028.1	1976	86 06 - SUSP 86 05
64	2.70	0.200	0.35	0.86	37	870	49	9 480	1 076.2	1975	84 12 - GPP
64	17.37	0.160	0.30	0.88	46	870	47	8 140	1 319.8	1963	85 12
2 239					63	876	62	12 000	1 585.9	1949	86 06
112	5.94	0.050	0.22	0.81							
2 127	13.72	0.050	0.22	0.81							- GPP
64	2.60	0.080	0.12	0.81	62	887	38	11 800	1 583.1	1978	86 12 - ABAND 84 05
64	12.00	0.060	0.20	0.84	62	887	55	11 767	1 592.0	1979	82 12 - SUSP 81 08
1 861	7.96	0.061	0.17	0.82	67	887	63	12 820	1 626.7	1949	75 08 - GPP
133	5.68	0.075	0.15	0.83	62	876	65	12 690	1 648.1	1952	84 12
64	5.30	0.060	0.37	0.83	62	876	58	12 086	1 642.7	1984	85 02
64	3.15	0.124	0.18	0.84	62	873	65	11 935	1 645.5	1984	86 12
32	4.00	0.130	0.26	0.84	62	902	65	11 768	1 631.0	1985	86 03
11	3.90	0.075	0.21	0.82	68	887	66	12 100	1 629.0	1983	85 09
285	1.85	0.200	0.31	0.85	44	887	33	9 290	1 293.0	1949	82 10 - GPP
280					63	876	62	11 960	1 605.4	1951	85 02 - GPP
120	6.68	0.110	0.15	0.80							
160	8.36	0.110	0.15	0.80							
32	5.09	0.145	0.31	0.81	65	882	63	11 926	1 601.2	1984	85 08 - GPP
175	3.93	0.084	0.12	0.80	75	904	60	12 760	1 653.8	1952	84 12 - GPP
64	3.70	0.150	0.20	0.80	177	800	52	13 680	1 703.2	1963	73 11 - GPP
64	3.40	0.120	0.25	0.82	76	865	49	11 640	1 782.6	1976	79 09 - GPP
192	6.60	0.170	0.27	0.80	79	855	53	15 627	1 817.6	1985	87 12
64	2.00	0.150	0.36	0.87	42	845	53	15 668	1 808.8	1981	87 08 - GPP
1 322	18.59	0.052	0.15	0.65	188	839	88	27 240	2 698.4	1952	73 12
1 578	4.08	0.150	0.35	0.76	102	844	52	13 890	1 499.6	1955	70 02 - GPP
565	2.83	0.139	0.29	0.76	101	839	54	14 860	1 554.5	1957	83 12 - GPP
32	2.00	0.090	0.40	0.77	104	838	54	13 115	1 553.8	1983	85 04 - ABAND 85 03
364	6.43	0.073	0.24	0.68	145	834	82	24 340	2 337.8	1957	84 12 - GPP
6 700	25.00	0.050	0.10	0.65	183	834	88	27 340	2 590.8	1953	87 08
446	8.87	0.050	0.15	0.72	133	839	91	25 990	2 660.0	1964	73 12 - GPP
98	13.22	0.102	0.09	0.68	160	841	88	22 899	2 670.0	1983	84 11
32	15.20	0.090	0.10	0.68	160	850	89	23 063	2 658.4	1984	84 12 - SUSP 85 07
64	1.80	0.220	0.30	0.88	51	877	30	8 477	1 095.3	1980	80 10 - SUSP 81 11
64	3.20	0.130	0.16	0.87	51	878	43	9 085	1 173.4	1982	83 09
256	4.36	0.070	0.27	0.67	181	816	87	18 307	2 481.4	1980	84 01
64	5.80	0.100	0.20	0.72	128	849	59	18 758	2 422.4	1981	82 03
64	3.40	0.080	0.25	0.75	181	850	87	19 064	2 565.0	1984	85 05
64	3.21	0.069	0.24	0.67	181	808	87	18 400	2 486.5	1985	85 12 - SUSP 86 10
192	4.14	0.077	0.29	0.67	181	808	87	18 179	2 540.6	1986	87 09
2 489					130	865	91	25 370	2 759.0	1955	87 12
192	8.75	0.051	0.22	0.73							
2 297	8.29	0.105	0.13	0.73							
920					127	865	90	25 060	2 702.0	1960	87 12
250	4.98	0.100	0.17	0.73							
670	6.36	0.090	0.15	0.73							
64	8.20	0.050	0.30	0.70	195	863	93	27 806	2 801.9	1985	86 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SUNSET 069-20W5								
TRIASSIC A WATER FLOOD	4 130.0	0.25	0.02	1 030.0	83.0	1 120.0	489.2	630.8
TRIASSIC B	288.0	0.15		43.2		43.2	15.5	27.7
BEAVERHILL LAKE A	245.0	<0.01		1.1		1.1	1.1	
SWALWELL 029-24W4								
PEKISKO A	1 620.0	0.05		81.0		81.0	55.9	25.1
PEKISKO B	167.0	<0.01		0.7		0.7	0.7	
PEKISKO C	249.0	<0.01		0.5		0.5	0.5	
PEKISKO D	408.0	0.10		40.8		40.8	26.3	14.5
PEKISKO E	37.8	0.10		3.8		3.8	0.5	3.3
PEKISKO F	2 420.0	0.10		242.0		242.0	63.5	178.5
PEKISKO H	603.0	0.02		12.1		12.1	6.6	5.5
PEKISKO I	373.0	0.10		37.3		37.3	1.1	36.2
PEKISKO L	98.0	0.10		9.8		9.8	8.4	1.4
D-2 A	1 120.0	0.20		224.0		224.0	167.0	57.0
SWAN HILLS 068-10W5								
BEAVERHILL LAKE C TOTAL	98 710.0			12 450.0	20 180.0	32 630.0	18 849.2	13 780.8
PRIMARY AREA	3 832.0	0.08		306.6		306.6		
WATER FLOOD AREA	94 880.0	0.13	0.22	12 140.0	20 180.0	32 320.0		
BEAVERHILL LAKE D	216.0	<0.01		0.2		0.2	0.2	
BEAVERHILL LAKE A&B TOTAL	290 000.0			45 200.0	65 900.0	111 100.0	87 157.4	23 942.6
PRIMARY AREA	4 880.0	0.12		586.0		586.0		
SOLVENT FLOOD AREA	76 100.0	<0.17	0.34	12 600.0	26 100.0	38 700.0		
WATER FLOOD AREA	209 000.0	<0.16	0.19	32 000.0	39 800.0	71 800.0		
SWAN HILLS SOUTH 065-10W5								
BEAVERHILL LAKE A&B TOTAL	134 800.0			23 170.0	44 280.0	67 450.0	53 787.8	13 662.2
PRIMARY AREA	2 310.0	0.14		324.0		324.0		
SOLVENT FLOOD AREA	124 800.0	0.18	0.35	22 460.0	43 690.0	66 150.0		
WATER FLOOD AREA	7 646.0	0.05	0.07	382.3	590.7	973.0		
SYLVAN LAKE 037-03W5								
CARDIUM A	550.0	0.12		66.0		66.0	60.3	5.7
CARDIUM B	169.0	0.10		16.9		16.9	8.1	8.8
CARDIUM C	159.0	0.10		15.9		15.9	1.5	14.4
CARDIUM D	26.6	0.10		2.7		2.7	0.2	2.5
CARDIUM E	54.8	0.10		5.5		5.5	2.0	3.5
SECOND WHITE SPECKS A	484.0	0.02		9.7		9.7	3.8	5.9
VIKING E	361.0	0.10		36.1		36.1	31.2	4.9
VIKING G	64.5	0.15		9.7		9.7	5.5	4.2
VIKING H	73.9	0.10		7.4		7.4	3.4	4.0
VIKING J	77.8	0.15		11.7		11.7	0.9	10.8
VIKING K	120.0	0.15		18.0		18.0	13.5	4.5
VIKING L	80.2	0.15		12.0		12.0	1.6	10.4
VIKING M	400.0	0.10		40.0		40.0	5.2	34.8
VIKING N	13.8	0.10		1.4		1.4		1.4
VIKING O	65.9	0.10		6.6		6.6	2.2	4.4
VIKING P	72.1	0.15		10.8		10.8	3.2	7.6
VIKING Q	25.1	0.20		5.0		5.0	2.9	2.1
VIKING T	36.2	0.15		5.4		5.4	0.7	4.7
VIKING U	55.9	0.15		8.4		8.4	2.7	5.7
VIKING V	86.0	0.20		17.2		17.2	6.4	10.8
VIKING W	337.0	0.15		50.6		50.6	12.3	38.3
VIKING A & S	2 190.0	0.12		264.0		264.0	207.2	56.8
GLAUCONITIC C	337.0	<0.06		18.4		18.4	18.4	
GLAUCONITIC D	172.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC F	333.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC G	341.0	0.10		34.1		34.1	10.4	23.7
LOWER MANNVILLE J	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE N	84.3	0.10		8.4		8.4	0.7	7.7
LOWER MANNVILLE R	529.0	0.10		52.9		52.9	0.8	52.1
LOWER MANNVILLE S	44.0	0.10		4.4		4.4	1.1	3.3
OSTRACOD A	254.0	<0.01		1.5		1.5	1.5	
OSTRACOD F	144.0	<0.01		0.6		0.6	0.6	

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
1 391	5.46	0.130	0.49	0.82	97	865	60	12 860	1 439.3	1960	80 02 - GPP
96	5.33	0.140	0.51	0.82	76	865	43	14 420	1 390.9	1975	85 05
128	6.74	0.056	0.35	0.78	70	877	86	24 600	2 693.6	1982	85 12 - SUSP 83 09
576	10.40	0.044	0.25	0.82	74	849	53	11 720	1 626.1	1965	81 12 - GPP
65	14.02	0.050	0.55	0.82	74	839	54	12 100	1 700.5	1976	81 12 - SUSP 77 11
65	16.46	0.050	0.43	0.82	74	839	49	10 480	1 705.4	1976	82 12 - SUSP 76 12
128	10.80	0.060	0.40	0.82	71	839	64	10 958	1 665.0	1977	83 08
65	1.83	0.060	0.35	0.82	78	855	43	11 210	1 652.6	1977	79 03
745	8.21	0.070	0.31	0.82	64	871	52	11 010	1 656.8	1979	84 05
128	18.84	0.050	0.39	0.82	67	869	51	10 991	1 626.5	1979	83 12 - GPP
64	8.80	0.133	0.40	0.83	85	874	61	11 167	1 621.1	1980	79 03
64	4.94	0.060	0.37	0.82	71	849	60	11 170	1 710.0	1976	78 12 - GPP
594	4.25	0.080	0.28	0.77	96	839	69	16 580	1 967.8	1969	87 12 - GPP
25 749					77	815	91	21 950	2 281.4	1958	86 09
2 254	3.91	0.062	0.10	0.78							
23 495	9.28	0.062	0.10	0.78							
128	9.00	0.030	0.20	0.78	86	818	53	22 363	2 487.8	1982	84 12 - SUSP 84 01
40 666					100	820	104	22 680	2 527.4	1957	86 12
2 273	5.70	0.067	0.23	0.73							
4 608	33.65	0.082	0.18	0.73							
33 785	14.12	0.080	0.25	0.73							
14 913					113	820	107	23 510	2 543.6	1959	87 01
713	9.16	0.063	0.22	0.72							
11 222	22.09	0.084	0.16	0.71							
2 978	6.92	0.065	0.20	0.71							
411	1.54	0.138	0.25	0.84	71	860	54	27 130	1 763.9	1962	79 12 - GPP
164	1.35	0.130	0.30	0.84	71	847	54	27 230	1 794.9	1976	86 03 - GPP
64	6.80	0.058	0.25	0.84	68	845	54	10 050	1 686.3	1982	82 07
64	1.16	0.061	0.30	0.84	64	807	54	9 954	1 675.6	1982	84 06 - SUSP 86 06
64	1.70	0.080	0.25	0.84	62	827	60	8 500	1 807.0	1985	85 12
64	12.00	0.180	0.50	0.70	145	816	64	18 657	2 086.0	1981	83 12 - GPP
256	2.77	0.110	0.40	0.77	102	839	66	15 130	1 999.5	1972	87 07 - GPP
64	2.80	0.080	0.40	0.75	123	820	36	18 036	1 996.9	1964	81 07 - GPP
64	2.20	0.100	0.30	0.75	105	815	58	18 843	1 981.4	1981	82 05
64	2.70	0.100	0.40	0.75	125	825	60	17 530	1 970.2	1981	83 01 - SUSP 86 12
124	2.15	0.090	0.35	0.77	99	839	66	13 925	2 183.5	1977	83 12
128	1.37	0.090	0.34	0.77	101	839	66	11 706	2 102.8	1983	85 08
128	3.48	0.210	0.43	0.75	105	800	63	14 105	1 833.2	1982	87 12
64	0.70	0.080	0.50	0.77	101	839	66	14 826	1 881.7	1982	83 10
192	0.98	0.070	0.35	0.77	101	839	66	11 186	1 876.2	1983	85 04 - GPP
64	1.50	0.150	0.35	0.77	101	839	66	14 883	2 019.2	1983	84 09 - GPP
64	1.74	0.045	0.35	0.77	72	845	66	11 289	2 171.5	1978	82 07 - SUSP 86 09
64	1.50	0.070	0.30	0.77	101	840	66	11 530	1 972.8	1985	85 10 - GPP
64	1.70	0.100	0.35	0.79	101	839	66	10 513	1 582.2	1985	85 10 - GPP
64	3.00	0.080	0.30	0.80	101	839	66	11 606	2 086.5	1985	87 12 - GPP
256	2.97	0.080	0.27	0.76	131	806	44	14 081	1 788.0	1983	86 07
3 200	1.26	0.110	0.35	0.76	110	815	51	15 650	1 900.7	1965	85 11 - GPP
64	8.62	0.130	0.39	0.77	89	887	64	16 790	2 199.1	1964	73 12 - SUSP 80 04
65	4.57	0.100	0.25	0.77	98	910	62	16 420	2 201.0	1975	76 07 - SUSP 78 07
64	9.40	0.120	0.35	0.71	126	807	79	14 350	2 158.9	1983	86 12 - ABAND 85 07
64	6.70	0.140	0.20	0.71	90	808	70	12 180	2 162.6	1974	84 10
65	2.74	0.200	0.30	0.85	64	915	61	14 090	2 158.0	1976	83 12 - ABAND 80 11
64	2.50	0.100	0.15	0.62	195	795	64	18 020	2 353.3	1978	79 03
64	12.30	0.120	0.30	0.80	80	845	66	17 006	2 140.4	1981	82 03 - GPP
64	1.20	0.090	0.25	0.85	54	888	71	17 609	2 336.1	1978	82 05 - SUSP 84 04
64	5.18	0.130	0.24	0.77	80	892	71	17 510	2 284.8	1963	64 04 - SUSP 69 07
64	4.00	0.100	0.25	0.75	105	879	74	17 100	2 316.8	1979	82 12 - SUSP 80 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
SYLVAN LAKE 037-03W5 (CONTINUED)								
BASAL QUARTZ A & OSTRACOD B	435.0	0.03		13.1		13.1	10.6	2.5
DETRITAL B	973.0	<0.01		1.4		1.4	1.4	
DETRITAL D	359.0	<0.01		0.8		0.8		0.8
DETRITAL E & ELKTON E	443.0	0.07		31.0		31.0	28.1	2.9
JURASSIC A	4 740.0	0.10		474.0		474.0	340.0	134.0
JURASSIC B	222.0	<0.01		0.8		0.8	0.8	
JURASSIC C	1 590.0	0.05		79.5		79.5	49.4	30.1
JURASSIC D	429.0	0.05		21.4		21.4	18.0	3.4
JURASSIC E	726.0	0.03		21.8		21.8	18.0	3.8
JURASSIC I	373.0	0.05		18.7		18.7	0.9	17.8
JURASSIC J	752.0	0.03		22.6		22.6	6.1	16.5
JURASSIC M	184.0	<0.01		16.5		16.5	16.5	
JURASSIC N	909.0	<0.03		20.7		20.7	9.0	11.7
JURASSIC P	261.0	<0.01		0.1		0.1	0.1	
JURASSIC R	157.0	0.10		15.7		15.7	4.2	11.5
JURASSIC T	183.0	<0.01		0.9		0.9	0.9	
JURASSIC U	374.0	0.10		37.4		37.4	0.3	37.1
JURASSIC W	357.0	0.05		17.9		17.9	0.1	17.8
ELKTON F	454.0	0.10		45.4		45.4	33.9	11.5
ELKTON I	263.0	<0.01		1.9		1.9	1.9	
ELKTON J	460.0	0.15		69.0		69.0	14.1	54.9
ELKTON K	110.0	0.15		16.5		16.5	7.1	9.4
ELKTON-SHUNDA D	4 770.0	0.15		715.0		715.0	561.2	153.8
ELKTON-SHUNDA E	1 028.0	0.15		154.0		154.0	100.4	53.6
SHUNDA C	126.0	0.02		2.5		2.5	1.7	0.8
SHUNDA E	290.0	0.10		29.0		29.0	6.6	22.4
PEKISKO B	7 950.0	0.29		2 300.0		2 300.0	1 677.7	622.3
PEKISKO C	3 210.0	0.30		963.0		963.0	528.7	434.3
PEKISKO D	1 910.0	0.20		381.0		381.0	328.0	53.0
PEKISKO E	159.0	<0.02		2.5		2.5	2.5	
PEKISKO G	830.0	<0.01		0.1		0.1	0.1	
PEKISKO M	426.0	<0.01		0.1		0.1	0.1	
PEKISKO Q	404.0	<0.01		1.4		1.4	1.4	
PEKISKO R	269.0	0.05		13.5		13.5	3.0	10.5
PEKISKO S	268.0	0.15		40.2		40.2	1.9	38.3
PEKISKO T	155.0	0.10		15.5		15.5	0.5	15.0
D-3 A	1 620.0	0.01		16.2		16.2	9.3	6.9
D-3 B	468.0	<0.01		0.2		0.2	0.2	
D-3 C	785.0	0.35		275.0		275.0	13.1	261.9
TANGENT 080-24W5								
D-1 A	970.0	0.20		194.0		194.0	86.7	107.3
D-1 B	84.9	0.20		17.0		17.0	8.5	8.5
D-1 C	246.0	0.20		49.2		49.2	14.8	34.4
D-1 D	126.0	0.25		31.5		31.5	7.4	24.1
D-1 E	1 350.0	0.20		270.0		270.0	105.8	164.2
D-1 F	590.0	0.20		118.0		118.0	35.3	82.7
D-1 G	376.0	0.20		75.2		75.2	2.2	73.0
D-1 H	635.0	0.20		127.0		127.0	12.4	114.6
D-1 I	430.0	0.20		86.0		86.0	32.9	53.1
D-1 J	268.0	<0.02		4.3		4.3	4.3	
D-1 K	736.0	0.03		22.1		22.1	12.4	9.7
D-1 L	298.0	0.20		59.6		59.6	18.3	41.3
D-1 M	673.0	0.20		135.0		135.0	42.4	92.6
D-1 N	260.0	0.20		52.0		52.0	0.1	51.9
D-1 O	351.0	0.20		70.2		70.2	2.8	67.4
D-1 P	752.0	0.30		226.0		226.0	15.0	211.0
D-1 Q	310.0	0.20		62.0		62.0	5.4	56.6
D-1 R	664.0	0.10		66.4		66.4	20.6	45.8
D-1 S	188.0	0.20		37.6		37.6	2.6	35.0
D-1 T	685.0	<0.01		0.1		0.1		0.1
D-1 U	704.0	0.20		141.0		141.0	7.2	133.8
D-1 V	1 190.0	0.30		357.0		357.0	50.6	306.4
D-1 W	95.6	0.10		9.6		9.6	0.1	9.5
D-1 X	79.6	0.25		19.9		19.9	0.2	19.7
THORSBY 049-01W5								
GLAUCONITIC A	5 200.0	0.10		520.0		520.0	120.7	399.3
GLAUCONITIC B	701.0	0.10		70.1		70.1	30.9	39.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	7.08	0.150	0.20	0.80	108	892	73	20 532	2 387.0	1963	79 02 - GPP
65	19.81	0.128	0.25	0.79	80	887	73	16 510	2 197.6	1963	73 02 - SUSP 71 09
65	3.66	0.240	0.20	0.79	80	844	73	16 650	2 176.3	1971	76 10
64	10.40	0.104	0.18	0.78	102	887	76	19 200	2 431.7	1963	81 12 - GPP
1 251	4.87	0.133	0.25	0.78	96	887	68	17 310	2 278.3	1962	87 10
66	5.79	0.100	0.25	0.78	93	887	71	16 890	2 236.9	1962	64 04 - ABAND 66 10
192	10.50	0.130	0.22	0.78	96	887	71	15 673	2 242.5	1960	83 05 - GPP
138	5.12	0.104	0.25	0.78	94	887	71	16 000	2 225.3	1963	85 12 - GPP
65	12.80	0.150	0.25	0.78	95	898	67	17 070	2 211.9	1964	84 12 - GPP
65	10.97	0.090	0.25	0.78	95	887	71	17 070	2 222.6	1964	85 11 - GPP
128	7.94	0.130	0.27	0.78	96	887	71	17 270	2 249.1	1965	85 11 - GPP
64	5.53	0.090	0.25	0.77	103	887	71	16 800	2 202.8	1962	85 12 - SUSP 84 12
192	7.33	0.120	0.31	0.78	83	890	68	17 921	2 269.2	1982	86 03
64	6.80	0.110	0.30	0.78	88	933	60	17 650	2 311.9	1983	84 03 - ABAND 84 09
64	5.10	0.103	0.40	0.78	95	919	65	17 871	2 263.5	1983	84 06 - GPP
64	3.40	0.150	0.30	0.80	83	889	68	15 374	2 303.0	1984	86 01 - ABAND 86 01
64	7.50	0.135	0.26	0.78	98	867	55	17 235	2 239.0	1981	85 09 - SUSP 86 02
64	5.20	0.170	0.19	0.78	98	895	55	15 000	2 232.7	1985	86 05 - SUSP 86 06
64	11.00	0.100	0.18	0.78	89	887	76	18 890	2 433.8	1963	87 12 - GPP
64	7.30	0.110	0.39	0.84	74	913	71	17 364	2 307.3	1982	83 04 - ABAND 83 11
64	13.00	0.100	0.35	0.85	95	886	64	17 923	2 393.1	1984	84 11
64	4.00	0.070	0.25	0.82	72	911	73	16 846	2 217.1	1984	85 10
626	10.67	0.109	0.16	0.78	93	887	68	17 310	2 265.9	1963	63 10 - GPP
284	4.90	0.123	0.23	0.78	92	881	71	17 271	2 255.8	1963	87 07
65	1.83	0.170	0.20	0.78	96	892	72	16 800	2 192.7	1972	82 12 - GPP
64	11.30	0.080	0.35	0.77	100	908	70	16 637	2 317.6	1985	86 04
1 232	9.24	0.108	0.16	0.77	92	887	69	17 100	2 229.6	1962	70 02
624	9.04	0.090	0.19	0.78	93	887	72	17 440	2 236.3	1963	87 04 - GPP
487	6.58	0.102	0.20	0.73	121	849	76	17 510	2 257.7	1960	63 04 - GPP
27	8.23	0.105	0.20	0.86	85	921	73	15 860	2 154.3	1963	73 02 - SUSP 72 11
74	28.04	0.069	0.25	0.77	62	992	89	17 510	2 153.1	1963	64 12 - SUSP 64 05
65	7.01	0.140	0.13	0.77	94	887	67	17 480	2 292.7	1964	65 12 - ABAND 68 03
128	6.07	0.100	0.35	0.80	121	849	76	16 870	2 261.6	1983	85 10 - SUSP 85 10
64	8.00	0.105	0.35	0.77	145	825	63	17 488	2 263.9	1984	86 04 - GPP
64	9.60	0.070	0.20	0.78	145	825	63	16 576	2 194.3	1985	86 02
64	5.00	0.090	0.30	0.77	88	860	74	16 799	2 354.9	1986	87 01 - SUSP 87 03
987	6.16	0.056	0.15	0.56	262	792	79	24 340	2 881.9	1962	83 12 - SUSP 84 05
64	17.70	0.067	0.20	0.77	128	770	85	17 977	2 987.3	1986	87 03 - SUSP 86 12
64	25.00	0.075	0.15	0.77	170	800	88	15 000	3 009.1	1986	87 04
64	50.50	0.050	0.24	0.79	78	839	62	18 804	1 783.5	1981	83 04
64	6.00	0.040	0.30	0.79	80	839	55	18 591	1 763.5	1982	82 10 - SUSP 87 02
64	21.30	0.030	0.24	0.79	75	839	68	16 360	1 783.5	1982	83 04
128	9.12	0.026	0.50	0.83	62	845	60	16 460	1 766.3	1983	87 08
64	67.80	0.050	0.21	0.79	82	839	56	18 579	1 781.9	1983	83 11
64	31.80	0.054	0.32	0.79	80	855	58	18 949	1 830.9	1983	83 11
64	42.50	0.025	0.30	0.79	84	843	58	18 520	1 773.0	1983	84 01 - SUSP 85 02
64	39.30	0.045	0.29	0.79	84	843	59	18 976	1 799.8	1983	84 01
64	45.00	0.030	0.40	0.83	67	823	62	18 334	1 774.0	1983	84 11
64	24.50	0.030	0.28	0.79	62	823	58	18 423	1 769.5	1983	85 07 - ABAND 85 03
64	44.37	0.040	0.18	0.79	62	823	58	19 580	1 882.5	1984	86 12
64	28.50	0.030	0.31	0.79	80	843	58	16 900	1 776.5	1984	84 12
64	46.20	0.040	0.28	0.79	80	843	59	17 713	1 761.9	1984	84 12
64	17.40	0.040	0.26	0.79	88	903	54	18 972	1 799.3	1984	85 01
64	31.70	0.030	0.27	0.79	78	840	60	18 262	1 802.9	1984	85 02
64	66.40	0.040	0.44	0.79	72	827	64	12 639	1 787.8	1984	85 02
64	21.40	0.035	0.22	0.83	62	855	60	18 979	1 813.8	1984	85 04
64	30.98	0.053	0.20	0.79	78	827	59	17 794	1 804.9	1984	87 12
64	19.70	0.030	0.40	0.83	62	857	58	18 445	1 783.1	1984	85 05 - SUSP 86 09
64	89.50	0.024	0.40	0.83	62	843	60	17 716	1 775.9	1985	85 09 - ABAND 85 10
64	81.50	0.025	0.35	0.83	62	843	60	17 728	1 782.5	1985	85 09
64	52.80	0.050	0.15	0.83	62	843	60	18 217	1 801.2	1985	85 10
64	7.50	0.040	0.40	0.83	62	843	60	5 921	1 775.5	1985	85 11 - SUSP 86 11
64	30.70	0.010	0.50	0.81	77	843	59	17 738	1 783.7	1985	86 03
448	17.69	0.120	0.29	0.77	86	849	54	11 990	1 489.9	1979	87 04
64	8.63	0.180	0.17	0.85				12 222	1 450.3	1973	75 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
THORSBY 049-01W5 (CONTINUED)								
GLAUCONITIC C	467.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE A	303.0	<0.01		0.5		0.5	0.5	
OSTRACOD A	78.7	<0.01		0.2		0.2	0.2	
THREE HILLS CREEK 035-25W4								
PEKISKO	65.8	<0.03		1.6		1.6	1.6	
D-2 A	82.1	0.20		16.4		16.4	4.7	11.7
TINDASTOLL 036-01W5								
BELLY RIVER A	2 800.0	0.10		280.0		280.0	98.0	182.0
BELLY RIVER B	480.0	0.01		4.8		4.8	2.3	2.5
BELLY RIVER C	248.0	<0.01		0.1		0.1		0.1
BELLY RIVER E	275.0	<0.01		0.1		0.1		0.1
BELLY RIVER F	442.0	0.10		44.2		44.2	0.8	43.4
LOWER MANNVILLE A	489.0	<0.01		0.4		0.4	0.4	
PEKISKO A	228.0	0.04		9.1		9.1	1.6	7.5
TOMAHAWK 052-05W5								
NORDEGG A	1 250.0	0.05		62.5		62.5	17.9	44.6
NORDEGG C	110.0	0.10		11.0		11.0		11.0
NORDEGG B, BANFF B & C	1 468.0	0.10		146.8		146.8	23.1	123.7
BANFF A	150.0	<0.01		0.1		0.1		0.1
BANFF D	264.0	0.10		26.4		26.4	4.7	21.7
TONY CREEK NORTH 064-21W5								
VIKING A	419.0	0.10		41.9		41.9	0.4	41.5
CADOMIN A	265.0	0.03		8.0		8.0	4.0	4.0
TRAVERS 013-21W4								
BOW ISLAND A	131.0	0.10		13.1		13.1	1.0	12.1
TROCHU 033-22W4								
BASAL QUARTZ A	922.0	0.05		46.1		46.1	26.5	19.6
BASAL QUARTZ B	762.0	0.03		22.9		22.9	4.8	18.1
TROUT 090-03W5								
KEG RIVER A	1 680.0	0.35		588.0		588.0	92.9	495.1
KEG RIVER C	42.9	0.35		15.0		15.0	2.9	12.1
KEG RIVER D	70.7	0.35		24.7		24.7	0.4	24.3
KEG RIVER E	103.0	0.10		10.3		10.3	1.3	9.0
KEG RIVER F	80.8	0.25		20.2		20.2		20.2
KEG RIVER G	144.0	0.35		50.4		50.4	0.4	50.0
KEG RIVER H	132.0	0.25		33.0		33.0		33.0
KEG RIVER I	336.0	0.35		118.0		118.0	15.9	102.1
TURIN 010-18W4								
UPPER MANNVILLE B	235.0	0.10		23.5		23.5	13.6	9.9
UPPER MANNVILLE H	2 400.0	0.25		600.0	ERSO	600.0	232.8	367.2
UPPER MANNVILLE I	56.2	0.10		5.6		5.6	0.6	5.0
UPPER MANNVILLE L	51.5	0.10		5.2		5.2	3.2	2.0
LOWER MANNVILLE B	780.0	0.01		7.8		7.8	2.9	4.9
LOWER MANNVILLE G	73.1	<0.05		3.1		3.1	3.1	
LOWER MANNVILLE H	232.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE O	92.6	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE V	483.0	0.10		48.3		48.3	27.9	20.4
LOWER MANNVILLE W	246.0	0.05		12.3		12.3	9.1	3.2
LOWER MANNVILLE CC	799.0	0.10		79.9		79.9	30.0	49.9
LOWER MANNVILLE DD	224.0	0.10		22.4		22.4	14.7	7.7
LOWER MANNVILLE EE	124.0	0.15		18.6		18.6	9.3	9.3
LOWER MANNVILLE FF	344.0	0.10		34.4		34.4	21.9	12.5
LOWER MANNVILLE GG	167.0	0.15		25.0		25.0	18.7	6.3
LOWER MANNVILLE HH	89.0	0.10		8.9		8.9	1.4	7.5
LOWER MANNVILLE II	3 310.0	0.15		497.0		497.0	72.2	424.8
LOWER MANNVILLE JJ	77.1	0.15		11.6		11.6	7.5	4.1
LOWER MANNVILLE KK	70.2	0.10		7.0		7.0	0.2	6.8
LOWER MANNVILLE LL	348.0	0.10		34.8		34.8	9.5	25.3
LOWER MANNVILLE MM	75.5	0.20		15.1		15.1	6.5	8.6
LOWER MANNVILLE OO	48.4	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	9.46	0.153	0.29	0.71	110	868	60	12 458	1 546.8	1984	85 08 - SUSP 85 03
64	9.00	0.090	0.22	0.75	89	866	55	12 243	1 522.5	1979	83 12 - SUSP 83 12
64	1.54	0.152	0.30	0.75	110	866	53	12 145	1 511.0	1981	82 06 - SUSP 84 01
65	5.58	0.037	0.40	0.82	71	860	66	11 720	1 794.1	1968	73 02 - SUSP 72 01
64	4.70	0.050	0.22	0.70	130	841	65	17 135	2 150.0	1984	84 11
904	3.50	0.150	0.33	0.88	50	827	40	5 951	1 175.8	1980	85 09
64	9.80	0.150	0.42	0.88	52	865	35	5 462	1 184.3	1981	85 12
64	3.70	0.170	0.30	0.88	36	876	43	6 072	1 197.0	1983	83 07 - ABAND 83 05
64	4.10	0.170	0.30	0.88	36	815	43	5 081	1 160.0	1983	83 07 - ABAND 83 09
64	10.20	0.140	0.45	0.88	36	815	43	4 832	1 188.7	1983	84 05
64	13.00	0.120	0.30	0.70	155	897	70	27 500	1 997.8	1981	82 02 - ABAND 82 09
64	5.20	0.110	0.20	0.78	85	890	70	15 480	2 055.5	1982	84 12
277	4.93	0.180	0.34	0.77	115	887	53	15 112	1 651.8	1981	87 12
32	4.19	0.140	0.31	0.85	60	950	51		1 430.9	1987	87 12
128	12.20	0.165	0.33	0.85	40	945	51	15 079	1 608.3	1984	87 04 - GPP
64	5.00	0.090	0.40	0.87	100	885	50	15 842	1 619.3	1985	86 01 - ABAND 87 05
48	3.12	0.250	0.12	0.80	88	950	56	12 018	1 540.0	1986	87 12
64	10.00	0.130	0.40	0.84	70	844	47	1 078	1 572.9	1984	84 11
64	6.16	0.120	0.30	0.80	74	887	82	14 780	1 880.3	1977	85 12 - GPP
64	1.80	0.160	0.20	0.89	70	882	32		1 057.3	1977	87 12
64	15.41	0.200	0.45	0.85	60	873	52	8 833	1 479.4	1970	78 12 - GPP
128	6.83	0.180	0.43	0.85	52	873	49	8 786	1 520.0	1982	85 12
1 388	2.53	0.083	0.38	0.93	23	835	39	6 922	1 358.8	1984	86 06
64	2.00	0.060	0.40	0.93	38	834	39	13 840	1 463.0	1985	86 07
64	3.04	0.071	0.45	0.93	38	827	39	13 784	1 443.6	1985	87 01
64	3.00	0.090	0.36	0.93	38	833	39	13 819	1 479.6	1985	87 12
64	2.42	0.092	0.39	0.93	23	832	39	12 865	1 291.8	1986	86 09
64	4.00	0.090	0.33	0.93	23	847	39	14 035	1 470.2	1986	86 09
64	3.10	0.115	0.38	0.93	23	843	39	13 593	1 426.9	1985	86 08
128	6.02	0.071	0.34	0.93	23	825	39	13 924	1 481.3	1986	87 04
64	3.69	0.180	0.35	0.85	63	904	31	11 360	1 082.3	1973	87 12 - GPP
400	5.37	0.200	0.35	0.86	68	869	31	11 221	1 013.0	1980	87 09
32	1.80	0.180	0.37	0.86	70	869	31	10 467	999.1	1983	82 12 - GPP
64	0.90	0.160	0.35	0.86	68	831	31	10 768	1 023.0	1983	83 04
387	1.80	0.190	0.32	0.85	62	881	36	11 480	1 062.2	1974	83 12
64	1.52	0.160	0.45	0.85	33	876	66	11 620	1 068.9	1974	82 12 - SUSP 76 09
64	3.66	0.190	0.40	0.86	85	881	38	11 270	1 058.9	1974	79 03 - ABAND 82 05
64	2.16	0.120	0.35	0.86	59	898	34	11 300	1 047.0	1976	79 02 - SUSP 78 10
256	1.98	0.160	0.30	0.85	110	880	37	11 681	1 100.8	1980	83 12 - GPP
64	3.30	0.190	0.28	0.85	66	874	31	11 464	1 096.8	1979	86 12
456	1.32	0.218	0.30	0.87	60	871	31	11 186	1 014.8	1980	85 07 - GPP
121	1.50	0.200	0.30	0.88	45	866	49	11 175	1 015.0	1982	85 12 - GPP
64	1.50	0.200	0.25	0.86	68	889	30	11 101	1 015.0	1982	85 12
128	2.27	0.180	0.27	0.90	38	892	32	10 833	1 005.7	1981	85 06
64	1.71	0.200	0.15	0.90	38	892	32	9 907	1 011.5	1982	84 12
64	1.50	0.180	0.40	0.86	62	887	32	11 321	1 052.2	1974	83 06
917	3.18	0.200	0.30	0.81	87	887	35	11 394	1 060.3	1983	87 02
64	1.00	0.200	0.30	0.86	62	887	32	11 249	1 102.5	1983	86 12
64	1.70	0.150	0.50	0.86	62	887	32	10 391	1 092.2	1983	84 03
64	5.40	0.180	0.31	0.81	86	817	35	11 508	1 073.2	1983	84 07
128	0.70	0.140	0.30	0.86	62	887	32	11 588	1 089.2	1984	87 12
32	2.00	0.120	0.30	0.90	38	892	32	11 076	1 005.7	1984	84 11 - ABAND 87 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
TURIN 010-18W4 (CONTINUED)								
LOWER MANNVILLE PP	57.4	0.10		5.7		5.7	3.1	2.6
LOWER MANNVILLE QQ	257.0	0.10		25.7		25.7	0.5	25.2
LOWER MANNVILLE RR	57.0	0.15		8.6		8.6	3.9	4.7
LOWER MANNVILLE SS	86.5	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE UU	184.0	0.10		18.4		18.4	7.5	10.9
LOWER MANNVILLE WW	109.0	0.10		10.9		10.9	0.8	10.1
LOWER MANNVILLE XX	44.4	0.10		4.4		4.4	1.3	3.1
LOWER MANNVILLE YY	232.0	0.10		23.2		23.2	10.3	12.9
LOWER MANNVILLE ZZ	112.0	0.10		11.2		11.2	1.8	9.4
LOWER MANNVILLE AAA	133.0	0.10		13.3		13.3	10.6	2.7
LOWER MANNVILLE BBB	191.0	0.15		28.7		28.7	5.1	23.6
LOWER MANNVILLE CCC	102.0	0.10		10.2		10.2	0.2	10.0
LOWER MANNVILLE DDD	67.7	0.10		6.8		6.8	1.8	5.0
LOWER MANNVILLE EEE	189.0	0.10		18.9		18.9	0.7	18.2
LOWER MANNVILLE FFF	81.0	0.10		8.1		8.1	0.1	8.0
LOWER MANNVILLE GGG	165.0	0.05		8.3		8.3	4.5	3.8
TURNER VALLEY 020-03W5								
BLAIRMORE C	90.3	<0.02		1.8		1.8	1.8	
BLAIRMORE A & B	815.0	0.01		8.2		8.2	5.3	2.9
RUNDLE WATER FLOOD	159 000.0	0.12	0.02	19 100.0	3 180.0	22 300.0	22 002.8	297.2
RUNDLE B	355.0	0.03		10.7		10.7	2.3	8.4
SHALLOW	715.0	0.12		85.8		85.8	64.4	21.4
TWINING 031-24W4								
UPPER MANNVILLE B	143.0	<0.01		1.0		1.0	1.0	
GLAUCONITIC A	101.0	0.10		10.1		10.1	1.2	8.9
GLAUCONITIC B	75.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B WATER FLOOD	1 810.0	0.05	0.15	90.0	272.0	362.0	256.2	105.8
LOWER MANNVILLE C	249.0	0.10		24.9		24.9	5.5	19.4
LOWER MANNVILLE F	100.0	0.11		11.0		11.0	8.8	2.2
LOWER MANNVILLE G	236.0	0.10		23.6		23.6	15.6	8.0
LOWER MANNVILLE H	194.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	295.0	0.10		29.5		29.5	19.6	9.9
LOWER MANNVILLE M	95.9	0.03		2.9		2.9	2.8	0.1
LOWER MANNVILLE N	215.0	0.10		21.5		21.5	3.8	17.7
LOWER MANNVILLE O	2 097.0	0.15		315.0		315.0	41.1	273.9
LOWER MANNVILLE P	164.0	0.20		32.8		32.8	29.2	3.6
LOWER MANNVILLE Q	209.0	0.10		20.9		20.9	2.5	18.4
RUNDLE A & LOWER MANNVILLE A	144 800.0	0.05		7 240.0		7 240.0	4 301.0	2 939.0
UTIKUMA LAKE 081-09W5								
SLAVE POINT A	197.0	0.10		19.7		19.7	6.0	13.7
SLAVE POINT B	67.1	0.05		3.4		3.4	1.0	2.4
SLAVE POINT C	128.0	0.05		6.4		6.4	2.1	4.3
SLAVE POINT D	184.0	0.05		9.2		9.2	2.6	6.6
SLAVE POINT E	106.0	0.25		26.5		26.5	3.9	22.6
SLAVE POINT F	105.0	<0.01		1.0		1.0		1.0
SLAVE POINT G	111.0	0.25		27.8		27.8	0.9	26.9
GILWOOD D TOTAL	838.0			186.0	37.0	223.0	91.2	131.8
PRIMARY AREA	438.0	0.15		65.7		65.7		
WATER FLOOD AREA	400.0	0.30	0.10	120.0	37.0	157.0		
GILWOOD E	84.3	0.20		16.9		16.9	0.6	16.3
KEG RIVER SANDSTONE A	17 000.0	0.45		7 650.0		7 650.0	5 456.3	2 193.7
KEG RIVER SANDSTONE H	256.0	0.35		89.6		89.6	55.9	33.7
KEG RIVER SANDSTONE I	824.0	0.35		288.0		288.0	164.6	123.4
KEG RIVER SANDSTONE K	620.0	0.35		217.0		217.0	126.2	90.8
KEG RIVER SANDSTONE M	1 520.0	0.25		380.0		380.0	151.9	228.1
KEG RIVER SANDSTONE N	3 330.0	0.45		1 500.0		1 500.0	806.1	693.9
KEG RIVER SANDSTONE O	440.0	0.10		44.0		44.0	17.5	26.5

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	2.00	0.240	0.17	0.90	38	892	32	11 018	999.0	1984	84 11
64	2.50	0.220	0.15	0.86	62	887	32	11 202	1 090.8	1985	85 06 - SUSP 86 09
64	0.92	0.150	0.25	0.86	62	887	32	9 896	1 010.3	1984	87 12
32	2.00	0.190	0.21	0.90	38	892	32	11 058	1 006.0	1985	85 08 - ABAND 86 03
64	2.20	0.210	0.23	0.81	86	888	35	10 975	1 105.3	1985	85 09
64	1.50	0.200	0.30	0.81	86	817	32	11 194	1 089.2	1985	86 01
64	0.90	0.140	0.36	0.86	62	887	32	9 232	1 075.6	1983	83 12
128	2.12	0.160	0.38	0.86	62	887	32	11 248	1 076.1	1983	86 04
32	2.60	0.200	0.25	0.90	38	892	32	11 080	1 006.4	1984	84 06
64	1.96	0.190	0.38	0.90	38	892	32	11 125	1 067.7	1982	86 04
64	4.30	0.150	0.43	0.81	86	890	34	11 093	1 072.8	1986	86 08
64	1.30	0.190	0.28	0.90	38	892	37	11 752	1 013.2	1985	86 08
64	1.20	0.160	0.32	0.81	86	890	34	11 296	1 098.4	1985	86 08
64	2.80	0.210	0.38	0.81	86	890	31	9 206	1 051.0	1985	86 11
64	2.10	0.143	0.48	0.81	86	890	35	11 701	1 013.2	1986	86 11
64	2.10	0.220	0.31	0.81	87	887	35	11 478	1 060.3	1983	87 02 - GPP
65	2.44	0.110	0.20	0.65		784	56	12 800	1 545.3	1976	82 12 - SUSP 85 07
65	16.76	0.117	0.12	0.73	83	806	52	5 420	1 363.4	1975	82 12 - SUSP 86 02
6 763	47.55	0.082	0.10	0.67	148	825	60	19 130	2 557.0	1936	83 12 - GPP
64	28.50	0.044	0.34	0.67	146	824	66	26 897	3 103.9	1981	85 12 - GPP
							41		1 460.0	1910	68 07 - GPP
64	2.46	0.170	0.35	0.82	80	839	36	10 300	1 577.0	1975	77 05 - ABAND 77 05
64	2.50	0.150	0.50	0.84	50	895	49	10 953	1 658.8	1981	82 05 - GPP
64	1.80	0.140	0.45	0.85	54	895	41	10 610	1 620.0	1973	82 08 - SUSP 82 08
1 376	1.67	0.137	0.28	0.80	79	876	52	11 720	1 581.6	1960	87 07 - GPP
65	3.35	0.180	0.22	0.82	53	887	59	10 000	1 586.8	1970	77 11 - GPP
125	1.03	0.150	0.35	0.80	85	869	57	10 980	1 630.6	1977	84 02 - GPP
64	4.00	0.150	0.25	0.82	78	886	53	11 530	1 597.5	1980	80 09
64	2.40	0.220	0.30	0.82	78	875	50	11 157	1 626.7	1973	83 12 - SUSP 83 05
128	3.11	0.140	0.34	0.80	80	873	50	10 644	1 539.5	1965	85 12
64	1.53	0.170	0.28	0.80	79	876	52	11 707	1 581.6	1977	87 07 - GPP
64	2.80	0.200	0.25	0.80	74	883	50	9 623	1 581.3	1980	81 08 - GPP
500	3.63	0.190	0.24	0.80	51	887	42	10 363	1 601.8	1981	86 08
64	2.15	0.200	0.30	0.85	66	865	61	9 616	1 513.0	1961	81 02
64	5.50	0.120	0.43	0.87	47	863	62	9 634	1 521.2	1983	83 10 - GPP
31 053	12.56	0.063	0.29	0.83	66	876	61	11 410	1 650.5	1952	87 07 - GPP
64	6.50	0.080	0.35	0.91	28	843	49	12 498	1 639.0	1982	86 12
64	2.40	0.080	0.40	0.91	27	843	50	14 259	1 632.6	1983	86 12
64	6.10	0.060	0.40	0.91	28	843	48	9 347	1 631.9	1983	86 12
64	7.60	0.064	0.35	0.91	28	843	49	15 131	1 635.9	1983	86 12
64	4.00	0.070	0.35	0.91	27	840	51	16 517	1 646.6	1984	84 10
64	4.50	0.080	0.50	0.91	27	848	51	16 916	1 672.9	1984	84 11 - SUSP 84 08
64	4.00	0.070	0.32	0.91	27	848	51	16 590	1 672.9	1984	84 11
576					71	819	49	17 530	1 726.7	1966	86 03
320	1.89	0.130	0.31	0.83							
256	2.73	0.106	0.35	0.83							
64	1.24	0.160	0.20	0.83	62	830	48	13 967	1 692.9	1977	84 12 - SUSP 87 03
4 207	3.60	0.186	0.29	0.85	65	820	49	18 270	1 727.4	1963	85 10
84	2.70	0.190	0.30	0.85	65	825	49	15 510	1 755.3	1977	81 11
128	6.13	0.190	0.35	0.85	65	820	49	15 130	1 761.7	1977	81 11
139	4.25	0.180	0.30	0.85	65	839	52	15 630	1 760.9	1977	81 11
448	3.14	0.187	0.32	0.85	65	825	52	11 580	1 726.6	1973	86 10
640	4.96	0.190	0.35	0.85	65	820	49	11 584	1 737.7	1976	86 12
128	3.50	0.175	0.34	0.85	65	810	49	15 620	1 754.8	1979	85 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
UTIKUMA LAKE 081-09W5 (CONTINUED)								
KEG RIVER SANDSTONE P	296.0	0.05		14.8		14.8	10.7	4.1
KEG RIVER SANDSTONE R	125.0	0.35		43.8		43.8	30.4	13.4
KEG RIVER SANDSTONE S	365.0	0.35		128.0		128.0	45.4	82.6
KEG RIVER SANDSTONE T	459.0	0.25		115.0		115.0	37.9	77.1
KEG RIVER SANDSTONE U	2 350.0	0.25		588.0		588.0	111.9	476.1
KEG RIVER SANDSTONE V	222.0	0.25		55.5		55.5	22.7	32.8
KEG RIVER SANDSTONE W	58.7	0.30		17.6		17.6	11.1	6.5
KEG RIVER SANDSTONE X	250.0	0.25		62.5		62.5	28.5	34.0
KEG RIVER SANDSTONE Y	149.0	0.30		44.7		44.7	11.5	33.2
KEG RIVER SANDSTONE Z	274.0	0.30		82.2		82.2	32.5	49.7
KEG RIVER SANDSTONE AA	116.0	0.10		11.6		11.6	6.3	5.3
KEG RIVER SANDSTONE BB	318.0	0.25		79.5		79.5	33.0	46.5
KEG RIVER SANDSTONE CC	157.0	0.25		39.3		39.3	12.1	27.2
KEG RIVER SANDSTONE DD	156.0	0.30		46.8		46.8	15.2	31.6
KEG RIVER SANDSTONE EE	670.0	0.30		201.0		201.0	33.0	168.0
KEG RIVER SANDSTONE FF	252.0	0.35		88.2		88.2	15.9	72.3
KEG RIVER SANDSTONE GG	39.5	<0.01		0.1		0.1	0.1	
KEG RIVER SANDSTONE HH	67.9	<0.03		1.4		1.4	1.4	
VALHALLA 075-10W6								
DOE CREEK I TOTAL	31 260.0			2 815.0	3 088.0	5 903.0	860.3	5 042.7
PRIMARY AREA	18 500.0	0.09		1 665.0		1 665.0		
WATER FLOOD AREA	12 760.0	0.09	0.21	1 150.0	3 088.0	4 238.0		
DOE CREEK K	336.0	0.10		33.6		33.6	7.8	25.8
DOE CREEK L	190.0	0.15		28.5		28.5	8.9	19.6
DOE CREEK M	510.0	0.15		76.5		76.5	6.5	70.0
DOE CREEK N	64.4	0.10		6.4		6.4	3.8	2.6
GETHING C	68.6	<0.02		0.9		0.9	0.9	
CHARLIE LAKE C	44.7	0.20		8.9		8.9	4.4	4.5
CHARLIE LAKE D	103.0	0.10		10.3		10.3	3.0	7.3
CHARLIE LAKE H	1 306.0	0.15		196.0		196.0	40.6	155.4
CHARLIE LAKE I	322.0	0.10		32.2		32.2	7.3	24.9
CHARLIE LAKE J	138.0	0.15		20.7		20.7	3.0	17.7
CHARLIE LAKE K	94.5	0.20		18.9		18.9	8.5	10.4
CHARLIE LAKE L	120.0	0.15		18.0		18.0	2.5	15.5
BOUNDARY B	2 170.0	0.10		217.0		217.0	88.9	128.1
BOUNDARY D	369.0	0.15		55.4		55.4	29.9	25.5
BOUNDARY F	83.5	0.15		12.5		12.5	1.2	11.3
BOUNDARY H	360.0	0.05		18.0		18.0	4.9	13.1
BOUNDARY I	415.0	0.15		62.3		62.3	14.9	47.4
BOUNDARY J	76.1	0.15		11.4		11.4	2.7	8.7
BOUNDARY K	34.5	0.15		5.2		5.2		5.2
BOUNDARY A & CHARLIE LAKE A	167.0	0.15		25.0		25.0	13.7	11.3
HALFWAY C	2 300.0	0.20		460.0		460.0	130.1	329.9
DOIG A	871.0	0.01		8.7		8.7	4.9	3.8
DOIG B	877.0	0.10		87.7		87.7	8.0	79.7
VAUXHALL 012-17W4								
LOWER MANNVILLE A	57.8	<0.01		0.1		0.1	0.1	
VEGA 061-03W5								
VIKING B	138.0	<0.01		0.2		0.2	0.2	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	5.29	0.145	0.29	0.85	65	824	48	16 737	1 729.9	1979	86 12
64	1.91	0.170	0.29	0.85	65	825	43	13 957	1 740.3	1979	81 11
128	2.74	0.180	0.32	0.85	59	820	45	15 062	1 715.2	1980	82 05
64	7.09	0.170	0.30	0.85	65		49	13 732	1 739.2	1981	81 09
320	7.16	0.180	0.33	0.85	58	827	50	15 910	1 740.0	1980	83 03
64	3.20	0.180	0.29	0.85	65	825	49	16 396	1 742.6	1979	79 10
64	0.76	0.200	0.29	0.85	65	824	60	15 323	1 731.8	1982	83 01
64	4.50	0.170	0.40	0.85	65	822	49	15 450	1 736.7	1982	83 04
64	2.80	0.140	0.30	0.85	60	845	49	14 234	1 731.8	1983	83 05
64	4.00	0.180	0.30	0.85	55	823	50	15 011	1 731.0	1983	83 08
64	1.60	0.190	0.30	0.85	57	820	44	12 633	1 746.7	1983	86 12
64	4.30	0.200	0.32	0.85	50	843	61	14 854	1 739.5	1983	83 11
64	2.00	0.200	0.28	0.85	55	843	50	14 443	1 736.0	1983	84 02
64	2.35	0.200	0.39	0.85	65	843	49	14 064	1 734.5	1983	84 08
192	3.21	0.193	0.33	0.84	67	830	41	17 022	1 732.4	1978	87 04
64	3.28	0.199	0.29	0.85	65	820	49	11 708	1 725.8	1984	84 12
64	1.20	0.110	0.45	0.85	65	844	52	12 612	1 744.2	1984	85 05 - ABAND 85 11
64	3.20	0.060	0.35	0.85	55	825	45	15 253	1 749.0	1980	83 09 - ABAND 87 11
8 952					19	858	29	3 807	702.2	1982	86 08
6 108	2.87	0.220	0.49	0.94							
2 844	4.15	0.230	0.50	0.94							
128	2.15	0.240	0.44	0.91	22	845	28	4 000	722.0	1984	87 03
128	2.46	0.163	0.58	0.88	49	840	24	5 130	710.3	1984	87 10
192	2.08	0.198	0.32	0.95	18	834	24	4 645	641.3	1985	87 12
64	1.00	0.176	0.35	0.88	43	840	27	4 681	553.5	1983	87 12
64	2.00	0.130	0.45	0.75	100	847	60	14 100	1 642.8	1983	86 02 - SUSP 85 06
80	0.80	0.120	0.18	0.71	125	836	58	18 958	2 004.1	1984	87 12
64	2.00	0.120	0.14	0.78	80	817	64	18 995	1 958.2	1984	84 12
448	3.99	0.113	0.16	0.77	100	800	73	17 571	1 978.6	1984	86 12
64	3.70	0.200	0.15	0.80	70	836	75	17 990	2 009.2	1982	86 02
64	2.00	0.180	0.20	0.75	100	840	68	18 924	2 103.8	1986	86 10
80	1.60	0.120	0.18	0.75	100	865	60	18 186	1 912.8	1984	87 12
64	3.50	0.093	0.28	0.80	100	829	73	18 921	1 950.5	1986	87 02
1 070	1.81	0.180	0.17	0.75	164	32	73	19 723	2 019.2	1973	87 12
256	2.11	0.110	0.15	0.73	150	816	80	18 518	1 961.1	1984	85 03
64	2.30	0.090	0.10	0.70	125	820	73	16 979	1 976.0	1983	86 02 - SUSP 86 10
192	2.15	0.146	0.11	0.67	164	812	69	19 050	1 981.5	1985	87 10
384	1.48	0.125	0.13	0.67	164	840	73	19 912	1 913.7	1986	87 05
64	2.90	0.090	0.32	0.67	164	820	73	18 234	2 068.9	1979	87 01
64	1.00	0.120	0.33	0.67	164	12	73	17 440	2 152.5	1985	87 08
116	2.81	0.090	0.22	0.73	149	835	72	17 570	1 978.8	1981	86 12
750	5.00	0.140	0.26	0.59	145	785	73	19 632	1 953.7	1980	87 07
69	24.80	0.106	0.25	0.69	120	815	73	19 664	2 006.0	1983	87 12
128	23.27	0.080	0.08	0.40	416	816	73	21 880	2 024.9	1984	87 05
64	1.00	0.150	0.30	0.86	64	895	30	11 069	1 027.9	1980	83 01 - SUSP 83 08
64	2.00	0.210	0.41	0.87	57	849	32	5 150	833.0	1980	85 12 - SUSP 84 04

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VEGA 061-03W5 (CONTINUED)								
VIKING C	109.0	<0.01		0.5		0.5	0.5	
VERGER 022-15W4								
UPPER MANNVILLE F	182.0	0.10		18.2		18.2	4.1	14.1
VIRGINIA HILLS 065-13W5								
GETHING A	132.0	0.15		19.8		19.8	8.2	11.6
BELLOY A TOTAL	10 200.0			2 290.0	1 520.0	3 810.0	1 996.0	1 814.0
PRIMARY AREA	122.0	0.10		12.2		12.2		
WATER FLOOD AREA	10 100.0	<0.23	0.15	2 280.0	1 520.0	3 800.0		
BELLOY B	67.0	0.10		6.7		6.7	0.1	6.6
BEAVERHILL LAKE TOTAL	75 400.0			17 200.0	8 000.0	25 200.0	20 552.9	4 647.1
PRIMARY AREA	1 830.0	0.23		421.0		421.0		
WATER FLOOD AREA	73 600.0	<0.23	0.11	16 800.0	8 000.0	24 800.0		
BEAVERHILL LAKE B	30.4	0.15		4.6		4.6		4.6
BEAVERHILL LAKE C	106.0	0.15		15.9		15.9	2.4	13.5
VIRGO 115-06W6								
SULPHUR POINT E	35.0	0.20		7.0		7.0	0.6	6.4
SULPHUR POINT A & KEG RIVER MM	249.0	0.45		112.0		112.0	100.6	11.4
MUSKEG A	334.0	0.20		66.7		66.7	59.1	7.6
MUSKEG B	118.0	0.30		35.4		35.4	18.7	16.7
MUSKEG C	160.0	0.22		35.2		35.2	33.1	2.1
MUSKEG E	59.6	<0.20		11.6		11.6	11.6	
MUSKEG G	191.0	0.25		47.7		47.7	30.3	17.4
MUSKEG I	207.0	0.25		51.8		51.8	40.7	11.1
MUSKEG J	175.0	0.20		35.0		35.0	19.2	15.8
MUSKEG K	440.0	<0.01		0.9		0.9	0.9	
MUSKEG L	159.0	<0.07		11.8		11.8	11.8	
MUSKEG M	173.0	<0.03		4.1		4.1	4.1	
MUSKEG O	462.0	0.15		69.3		69.3	18.6	50.7
MUSKEG Q	943.0	0.05		47.2		47.2	2.2	45.0
MUSKEG R	601.0	<0.01		5.0		5.0	5.0	
MUSKEG S	144.0	<0.01		0.5		0.5	0.5	
MUSKEG T	139.0	0.25		34.8		34.8	0.5	34.3
MUSKEG U	174.0	0.30		52.2		52.2	1.3	50.9
MUSKEG D & KEG RIVER L	429.0	0.15		64.4		64.4	53.1	11.3
MUSKEG P & KEG RIVER R3R	185.0	0.30		55.5		55.5	0.9	54.6
KEG RIVER A	222.0	0.30		66.7		66.7	44.9	21.8
KEG RIVER B WATER FLOOD	397.0	0.32	0.09	127.0	35.7	163.0	124.3	38.7
KEG RIVER C	139.0	0.40		55.8		55.8	48.6	7.2
KEG RIVER D	540.0	<0.14		72.5		72.5	72.5	
KEG RIVER E	620.0	0.35		217.0	ERSO	217.0	205.1	11.9
KEG RIVER F	159.0	0.20		31.8		31.8	23.6	8.2
KEG RIVER G	461.0	0.20		92.2		92.2	72.4	19.8
KEG RIVER H	636.0	0.26		165.0		165.0	132.9	32.1
KEG RIVER I WATER FLOOD	359.0	0.35	0.13	126.0	46.7	173.0	117.6	55.4
KEG RIVER J	159.0	0.38		60.4		60.4	55.6	4.8
KEG RIVER K	198.0	0.52		103.0		103.0	95.6	7.4
KEG RIVER M	130.0	0.25		32.5		32.5	28.9	3.6
KEG RIVER N	159.0	0.35		55.7		55.7	39.7	16.0
KEG RIVER O WATER FLOOD	159.0	0.38	0.06	60.4	9.5	70.0	38.6	31.4
KEG RIVER P WATER FLOOD	350.0	0.10	0.26	35.0	91.0	126.0	33.7	92.3
KEG RIVER Q	477.0	0.40		191.0		191.0	52.7	138.3
KEG RIVER R WATER FLOOD	318.0	0.36	0.05	114.0	15.9	130.0	129.1	0.9
KEG RIVER S	270.0	0.30		81.0		81.0	70.4	10.6
KEG RIVER T	524.0	0.12		62.9		62.9	53.4	9.5
KEG RIVER U	381.0	<0.11		39.6		39.6	39.6	
KEG RIVER V	195.0	0.35		68.3		68.3	53.7	14.6
KEG RIVER W	715.0	0.30		215.0		215.0	167.0	48.0
KEG RIVER X	254.0	<0.11		26.3		26.3	26.3	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.50	0.190	0.31	0.87	58	846	30	5 045	810.0	1980	82 03 - SUSP 84 04
64	4.20	0.140	0.45	0.88	47	861	35	9 373	1 073.2	1982	82 12
64	2.00	0.170	0.23	0.79	100	852	64	12 322	1 691.3	1961	84 01
1 948								13 434	1 850.4	1973	82 09
64	3.39	0.100	0.33	0.84							
1 884	5.32	0.174	0.31	0.84							
64	2.35	0.074	0.30	0.86	53	884	69	11 390	1 826.0	1978	83 03
12 667					88	834	102	25 510	2 830.4	1957	80 12
1 745	3.00	0.063	0.27	0.76							
10 922	12.40	0.086	0.18	0.77							
64	1.62	0.073	0.45	0.73	97	852	99	13 438	2 752.8	1983	84 01
64	4.80	0.070	0.35	0.76	80	847	103	10 904	2 855.2	1983	86 12
16	4.90	0.070	0.25	0.85	62	860	50	13 646	1 372.4	1977	84 05
9	53.00	0.070	0.17	0.87	35	865	68	14 400	1 467.9	1968	76 08 - GPP
19	20.82	0.130	0.15	0.78	85	839	74	15 170	1 515.2	1968	69 04
17	23.00	0.050	0.20	0.75	74	849	71	14 240	1 478.0	1968	87 02
8	32.63	0.080	0.11	0.86	45	865	76	14 730	1 496.0	1968	85 08 - SUSP 86 01
4	19.05	0.100	0.10	0.86	46	870	71	12 440	1 472.2	1969	80 12 - SUSP 80 09
11	26.45	0.090	0.17	0.88	39	881	67	13 860	1 475.2	1969	81 10 - SUSP 87 01
16	44.20	0.050	0.20	0.74	88	829	72	14 670	1 541.4	1970	86 12 - GPP
49	12.71	0.046	0.30	0.88	35	881	65	13 580	1 439.8	1971	82 12 - GPP
65	20.12	0.051	0.17	0.80	80	849	71	14 890	1 500.5	1971	73 02 - SUSP 72 03
13	17.98	0.089	0.11	0.86	53	870	70	11 960	1 481.6	1971	73 12 - SUSP 84 11
65	12.50	0.040	0.35	0.82	106	834	73	12 590	1 486.5	1973	83 12 - SUSP 82 05
64	19.80	0.055	0.15	0.78	89	850	71	16 930	1 505.4	1969	80 06 - GPP
64	27.90	0.080	0.25	0.88	39	882	67	13 301	1 481.0	1983	86 10 - GPP
64	11.00	0.120	0.11	0.80	45		62	14 491	1 546.5	1983	85 12 - SUSP 85 04
64	5.80	0.060	0.24	0.85	54	876	58	14 358	1 461.3	1983	84 08 - SUSP 85 01
64	5.00	0.062	0.11	0.79	89	860	69	14 320	1 492.6	1985	86 01
64	12.30	0.042	0.38	0.85	45	852	76	15 247	1 546.0	1981	87 03
49	16.70	0.076	0.17	0.83	75	829	62	15 790	1 596.5	1968	84 12 - GPP
64	7.00	0.080	0.40	0.86	34	794	82	13 677	1 647.5	1981	82 10
10	41.03	0.080	0.15	0.76	106	825	68	15 170	1 545.0	1968	70 02 - GPP
14	38.93	0.094	0.11	0.87	43	849	71	14 670	1 466.7	1968	86 05 - GPP
8	35.30	0.068	0.16	0.90	32	876	64	14 560	1 460.6	1968	71 03
12	66.96	0.090	0.10	0.85	48	860	73	15 000	1 493.5	1968	78 01 - SUSP 77 11
13	68.75	0.094	0.10	0.82	75	849	68	15 200	1 513.0	1967	85 09 - SUSP 85 12
5	37.80	0.130	0.08	0.69	143	876	76	15 130	1 531.0	1968	79 04
10	88.09	0.077	0.16	0.80	74	839	76	16 030	1 592.0	1968	83 12 - GPP
13	70.46	0.093	0.10	0.83	65	876	77	15 270	1 499.0	1968	85 08 - SUSP 86 01
12	44.50	0.090	0.10	0.83	78	849	71	14 990	1 495.0	1968	83 12 - I.S. NO. 6
11	36.45	0.053	0.14	0.87	50	865	68	14 460	1 462.1	1968	81 10 - GPP
7	58.14	0.065	0.12	0.85	45	855	70	14 930	1 499.3	1968	81 12
9	35.00	0.070	0.18	0.72	121	815	78	15 070	1 535.9	1968	87 12
6	47.40	0.073	0.12	0.87	50	865	68	14 550	1 474.6	1968	82 12 - SUSP 87 02
6	52.50	0.066	0.12	0.87	43	865	61	14 400	1 467.0	1968	86 05 - GPP
8	74.75	0.081	0.14	0.84	45	860	76	14 960	1 503.6	1968	85 05
15	62.00	0.071	0.14	0.84	58	855	72	14 980	1 504.2	1968	86 07 - GPP
8	56.69	0.100	0.10	0.81	80	876	63	15 090	1 504.2	1968	75 01 - I.S. NO. 6
6	73.52	0.077	0.10	0.82	60	855	71	12 770	1 530.4	1968	82 12 - SUSP 87 01
22	42.70	0.080	0.15	0.82	69	849	71	14 340	1 494.7	1968	86 12 - GPP
19	30.75	0.100	0.11	0.75	107	829	71	15 470	1 551.7	1968	75 02 - SUSP 73 08
7	37.50	0.110	0.10	0.75	101	839	72	15 170	1 527.7	1968	83 12 - GPP
11	73.15	0.120	0.09	0.82	68	849	71	15 280	1 515.8	1968	76 05 - SUSP 86 03
6	66.45	0.093	0.12	0.77	96	839	72	15 370	1 538.0	1968	77 03 - SUSP 75 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER Y	250.0	0.40		100.0		100.0	85.5	14.5
KEG RIVER Z WATER FLOOD	318.0	0.39	0.09	124.0	28.6	153.0	145.8	7.2
KEG RIVER AA	572.0	0.18		103.0		103.0	97.8	5.2
KEG RIVER BB	192.0	0.40		76.8		76.8	64.3	12.5
KEG RIVER CC	30.7	0.30		9.2		9.2	5.6	3.6
KEG RIVER DD WATER FLOOD	110.0	0.30	0.13	33.0	14.0	47.0	35.6	11.4
KEG RIVER EE	127.0	0.25		31.8		31.8	26.5	5.3
KEG RIVER FF	636.0	0.10		63.6		63.6	30.6	33.0
KEG RIVER GG	636.0	0.09		57.2		57.2	52.6	4.6
KEG RIVER HH	284.0	0.40		114.0		114.0	73.1	40.9
KEG RIVER II	366.0	0.15		54.9		54.9	19.4	35.5
KEG RIVER JJ	556.0	0.30		167.0		167.0	133.7	33.3
KEG RIVER KK	318.0	<0.08		25.0		25.0	25.0	
KEG RIVER LL	95.3	0.30		28.6		28.6	11.0	17.6
KEG RIVER NN	159.0	<0.31		48.6		48.6	48.6	
KEG RIVER OO	159.0	<0.11		16.2		16.2	16.2	
KEG RIVER PP	47.7	<0.06		2.8		2.8	2.8	
KEG RIVER QQ	238.0	<0.16		36.2		36.2	36.2	
KEG RIVER RR	1 270.0	<0.08		90.4		90.4	90.4	
KEG RIVER SS	155.0	0.30		46.6		46.6	31.7	14.9
KEG RIVER TT	191.0	<0.13		23.1		23.1	23.1	
KEG RIVER UU	152.0	0.10		15.2		15.2	2.4	12.8
KEG RIVER VV	464.0	0.40		186.0		186.0	164.5	21.5
KEG RIVER WW WATER FLOOD	300.0	0.30	0.07	90.0	20.0	110.0	100.3	9.7
KEG RIVER XX	578.0	<0.09		47.4		47.4	47.4	
KEG RIVER YY	200.0	<0.26		50.6		50.6	50.6	
KEG RIVER ZZ	238.0	0.35		83.3		83.3	46.6	36.7
KEG RIVER AAA WATER FLOOD	230.0	0.35	0.13	80.5	29.9	110.0	103.6	6.4
KEG RIVER BBB	445.0	<0.18		79.9		79.9	79.9	
KEG RIVER CCC TOTAL	250.0			20.0	21.3	41.3	18.6	22.7
PRIMARY AREA	125.0	0.08		10.0		10.0		
WATER FLOOD AREA	125.0	0.08	0.17	10.0	21.3	31.3		
KEG RIVER DDD	191.0	0.07		13.4		13.4	13.4	
KEG RIVER EEE	238.0	<0.10		22.3		22.3	22.3	
KEG RIVER FFF	292.0	<0.01		0.3		0.3	0.3	
KEG RIVER GGG WATER FLOOD	440.0	0.10	0.08	44.0	36.0	80.0	78.0	2.0
KEG RIVER HHH	49.6	0.20		9.9		9.9	5.9	4.0
KEG RIVER III	47.7	<0.05		2.1		2.1	2.1	
KEG RIVER JJJ	556.0	<0.05		24.7		24.7	24.7	
KEG RIVER KKK	238.0	0.35		83.3		83.3	75.8	7.5
KEG RIVER LLL	207.0	0.30		62.0		62.0	43.8	18.2
KEG RIVER MMM	95.3	0.35		33.4		33.4	32.5	0.9
KEG RIVER NNN	207.0	0.40		82.8		82.8	57.7	25.1
KEG RIVER OOO WATER FLOOD	200.0	<0.20	0.03	38.4	6.0	44.4	44.4	
KEG RIVER PPP WATER FLOOD	227.0	0.15	0.10	34.2	22.7	56.9	54.3	2.6
KEG RIVER QQQ	320.0	<0.16		49.0		49.0	49.0	
KEG RIVER RRR	556.0	0.10		55.6		55.6	36.5	19.1
KEG RIVER SSS	238.0	0.05		11.9		11.9	7.0	4.9
KEG RIVER TTT	444.0	0.28		124.0	ERSO	124.0	114.4	9.6
KEG RIVER UUU	111.0	0.20		22.2		22.2	22.2	
KEG RIVER VVV	37.8	0.30		11.3		11.3	6.4	4.9
KEG RIVER WWW	111.0	<0.10		10.5		10.5	10.5	
KEG RIVER XXX	267.0	0.20		53.4		53.4	42.6	10.8
KEG RIVER YYY	175.0	0.36		62.9		62.9	42.1	20.8
KEG RIVER ZZZ	195.0	0.40		78.0		78.0	57.1	20.9
KEG RIVER A2A	318.0	<0.29		89.6		89.6	89.6	
KEG RIVER B2B	331.0	<0.06		17.5		17.5	17.5	
KEG RIVER C2C	397.0	<0.08		31.0		31.0	31.0	
KEG RIVER D2D	370.0	0.28		104.0	ERSO	104.0	91.3	12.7
KEG RIVER E2E	238.0	<0.06		13.2		13.2	13.2	
KEG RIVER F2F	139.0	0.15		20.8	ERSO	20.8	17.6	3.2
KEG RIVER G2G	79.5	<0.01		0.7		0.7	0.7	
KEG RIVER H2H	477.0	0.10		47.7	ERSO	47.7	37.2	10.5
KEG RIVER I2I	280.0	0.35		98.0		98.0	65.1	32.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
19	34.37	0.055	0.20	0.87	47	849	69	14 740	1 478.0	1968	84 12
10	50.60	0.084	0.10	0.81	75	860	64	14 780	1 489.6	1968	71 09 - I.S. NO. 6
25	47.24	0.073	0.24	0.87	45	849	72	14 860	1 486.8	1968	86 12 - GPP
10	43.30	0.060	0.16	0.88	35	855	67	14 650	1 467.6	1968	83 12 - GPP
7	27.10	0.025	0.30	0.89	30	860	68	14 450	1 447.2	1968	80 06 - GPP
9	22.89	0.074	0.13	0.83	67	849	69	14 450	1 481.0	1968	86 02 - GPP
10	21.56	0.090	0.15	0.77	101	839	71	15 310	1 529.5	1968	69 11 - GPP
34	39.51	0.070	0.11	0.76	104	820	70	15 380	1 544.7	1968	85 03 - GPP
51	28.56	0.069	0.14	0.73	120	829	74	15 040	1 541.7	1968	83 12 - GPP
16	22.56	0.130	0.11	0.68	158	815	79	15 450	1 570.3	1968	86 12
9	68.00	0.085	0.20	0.88	46	876	63	14 690	1 482.9	1968	86 12
19	50.11	0.081	0.16	0.84	53	870	69	14 740	1 475.8	1968	70 02 - GPP
17	36.82	0.080	0.15	0.73	124	834	69	15 290	1 554.2	1968	78 10 - SUSP 77 10
10	17.98	0.079	0.19	0.80	74	844	70	15 620	1 632.2	1968	75 12 - GPP
4	47.25	0.110	0.09	0.84	56	870	62	14 580	1 476.1	1968	83 12 - SUSP 81 12
9	33.78	0.070	0.13	0.86	50	865	68	14 160	1 464.3	1968	82 12 - SUSP 84 07
6	17.25	0.067	0.20	0.85	72	844	71	13 620	1 492.9	1969	70 02 - SUSP 73 03
19	26.16	0.082	0.20	0.73	118	839	72	15 452	1 545.3	1969	78 07 - SUSP 83 09
57	39.32	0.076	0.12	0.85	43	860	69	14 820	1 481.3	1969	84 12 - SUSP 84 01
19	32.40	0.040	0.25	0.84	58	876	66	14 620	1 474.3	1969	70 06 - GPP
9	38.25	0.083	0.10	0.75	107	834	71	15 360	1 549.0	1969	77 05 - SUSP 77 02
34	18.04	0.040	0.25	0.82	69	849	71	13 570	1 484.0	1968	87 12 - GPP
13	63.98	0.081	0.15	0.84	65	860	70	14 618	1 483.8	1969	85 08
16	25.00	0.098	0.09	0.84	64	860	70	14 740	1 501.1	1969	86 02 - GPP
17	33.89	0.140	0.08	0.78	92	829	76	15 380	1 553.0	1969	77 11 - ABAND 76 11
6	56.70	0.094	0.12	0.77	91	834	76	15 130	1 547.5	1969	81 10 - SUSP 83 03
15	27.77	0.080	0.20	0.88	40	855	70	14 480	1 467.3	1969	86 12 - GPP
11	44.00	0.070	0.15	0.80	84	839	71	14 960	1 494.4	1968	83 12 - IS NO 6
8	65.23	0.120	0.10	0.78	93	834	72	15 310	1 532.2	1969	82 12 - SUSP 80 07
8					47	855	71	14 406	1 504.0	1969	85 04
4	34.40	0.120	0.10	0.84							
4	70.50	0.060	0.12	0.84							
7	44.00	0.082	0.11	0.85	50	865	68	13 220	1 469.4	1969	83 12 - SUSP 81 12
5	57.24	0.107	0.12	0.84	54	865	71	12 670	1 501.1	1969	70 10 - SUSP 72 07
65	6.40	0.100	0.15	0.83	69	849	71	13 340	1 482.5	1969	70 12 - SUSP 70 01
11	51.27	0.102	0.10	0.85	53	865	70	13 970	1 495.3	1969	86 02 - GPP
8	24.78	0.037	0.24	0.89	40	860	68	13 930	1 442.9	1969	84 06 - GPP
8	15.54	0.064	0.24	0.82	71	839	71	13 510	1 498.4	1969	74 05 - ABAND 70 11
21	40.39	0.094	0.15	0.82	62	865	72	14 250	1 529.5	1969	79 12 - SUSP 83 08
7	47.89	0.094	0.09	0.83	67	849	71	14 600	1 504.8	1969	83 12
14	39.32	0.053	0.20	0.90	30	870	68	14 280	1 460.3	1969	70 07 - GPP
14	24.54	0.040	0.22	0.88	46	855	71	14 380	1 476.5	1969	70 07 - GPP
22	27.01	0.050	0.20	0.86	44	870	68	14 310	1 463.3	1969	87 12 - GPP
4	82.75	0.080	0.10	0.84	59	844	66	11 660	1 506.0	1969	86 02 - SUSP 79 12
11	60.96	0.047	0.14	0.84	60	855	68	13 810	1 498.1	1969	76 12 - GPP - IS NO 5
18	45.80	0.072	0.13	0.62	210	820	78	15 530	1 586.2	1969	83 12 - SUSP 82 02
15	65.00	0.096	0.11	0.65	171	815	78	15 180	1 570.9	1969	87 12 - GPP
6	72.92	0.080	0.20	0.85	52	870	71	13 910	1 524.0	1969	87 12 - GPP
11	60.27	0.095	0.13	0.81	71	855	74	15 220	1 534.7	1969	87 12 - GPP
8	37.88	0.069	0.17	0.64	192	811	82	15 470	1 595.6	1969	85 12 - SUSP 82 01
5	26.52	0.044	0.21	0.82	66	876	75	13 210	1 511.5	1969	75 12
7	21.34	0.110	0.12	0.74	118	829	71	14 800	1 539.9	1969	75 12 - SUSP 75 06
16	30.80	0.075	0.15	0.85	30	865	68	14 460	1 455.1	1969	79 12 - GPP
10	40.90	0.069	0.15	0.73	123	829	72	15 240	1 540.8	1969	71 09 - GPP
22	33.38	0.047	0.30	0.80	64	849	70	13 850	1 477.7	1969	87 12
6	77.11	0.100	0.09	0.80	84	844	76	15 100	1 534.4	1969	70 08 - SUSP 84 01
20	26.49	0.090	0.23	0.89	34	870	70	13 560	1 456.6	1969	75 12 - SUSP 75 02
10	48.83	0.105	0.11	0.87	41	881	64	13 130	1 464.6	1969	80 01 - SUSP 83 09
9	76.78	0.077	0.12	0.79	77	844	73	14 730	1 531.6	1969	87 12 - GPP
12	33.89	0.079	0.15	0.86	48	870	69	11 190	1 490.8	1969	73 02 - SUSP 72 12
11	24.08	0.085	0.17	0.76	104	834	73	15 130	1 520.0	1969	70 06 - GPP - IS NO 7
11	28.65	0.045	0.32	0.83	62	849	71	14 500	1 497.5	1969	73 02 - SUSP 71 07
17	40.54	0.103	0.12	0.78	90	849	71	14 710	1 510.0	1969	82 12 - GPP - IS NO 7
17	34.70	0.070	0.22	0.87	43	860	70	14 130	1 467.6	1969	87 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER J2J	56.3	0.06		3.4		3.4	3.4	
KEG RIVER K2K	636.0	0.17		108.0		108.0	101.0	7.0
KEG RIVER L2L	253.0	0.17		43.0		43.0	34.0	9.0
KEG RIVER M2M	259.0	0.15		38.9		38.9	26.6	12.3
KEG RIVER N2N	348.0	0.18		62.6		62.6	59.0	3.6
KEG RIVER O2O	238.0	<0.08		18.8		18.8	18.8	
KEG RIVER P2P	191.0	<0.02		3.6		3.6	3.6	
KEG RIVER Q2Q	74.8	0.36		27.0	ERSO	27.0	1.9	25.1
KEG RIVER R2R WATER FLOOD	397.0	0.07	0.08	27.8	31.8	59.6	46.9	12.7
KEG RIVER S2S	270.0	0.40		108.0		108.0	66.7	41.3
KEG RIVER T2T	203.0	<0.21		41.3		41.3	41.3	
KEG RIVER U2U	421.0	0.11		46.3		46.3	41.5	4.8
KEG RIVER V2V	101.0	<0.19		18.2		18.2	18.2	
KEG RIVER W2W	636.0	0.07		45.0		45.0	45.0	
KEG RIVER X2X	397.0	0.15		59.6		59.6	52.5	7.1
KEG RIVER Y2Y	747.0	0.15		112.0		112.0	75.9	36.1
KEG RIVER Z2Z WATER FLOOD	500.0	0.25	0.15	125.0	75.0	200.0	21.1	178.9
KEG RIVER A3A	254.0	0.35		89.0		89.0	78.0	11.0
KEG RIVER B3B	477.0	<0.07		33.2		33.2	33.2	
KEG RIVER C3C	159.0	<0.20		30.9		30.9	30.9	
KEG RIVER D3D	111.0	0.35		38.9		38.9	29.0	9.9
KEG RIVER E3E	556.0	0.12		66.7		66.7	52.1	14.6
KEG RIVER F3F	404.0	0.03		12.1		12.1	9.6	2.5
KEG RIVER G3G	310.0	<0.03		6.6		6.6	6.6	
KEG RIVER H3H	96.9	0.35		33.9		33.9	13.6	20.3
KEG RIVER I3I	248.0	<0.02		4.3		4.3	3.7	0.6
KEG RIVER J3J	397.0	0.17		67.5		67.5	57.6	9.9
KEG RIVER L3L	65.3	<0.01		0.2		0.2	0.2	
KEG RIVER N3N	353.0	0.25		88.3		88.3	26.6	61.7
KEG RIVER O3O	74.3	0.30		22.3		22.3	6.9	15.4
KEG RIVER P3P	384.0	<0.01		0.3		0.3	0.3	
KEG RIVER Q3Q	327.0	0.30		98.1		98.1	20.0	78.1
KEG RIVER S3S	91.6	<0.03		2.6		2.6	2.6	
KEG RIVER T3T	110.0	<0.03		2.3		2.3	2.3	
KEG RIVER U3U	130.0	0.40		52.0		52.0	15.6	36.4
KEG RIVER V3V	600.0	0.30		180.0		180.0	22.5	157.5
KEG RIVER W3W	115.0	<0.01		0.4		0.4	0.4	
KEG RIVER X3X	93.3	0.30		28.0		28.0	3.3	24.7
KEG RIVER Y3Y	362.0	0.25		90.5		90.5	2.8	87.7
KEG RIVER Z3Z	50.0	0.25		12.5		12.5	2.6	9.9
KEG RIVER A4A	600.0	0.30		180.0		180.0	10.4	169.6
KEG RIVER B4B	300.0	0.30		90.0		90.0	17.0	73.0
KEG RIVER C4C	187.0	0.30		56.1		56.1	12.5	43.6
KEG RIVER D4D	500.0	0.30		150.0		150.0	9.6	140.4
KEG RIVER E4E	156.0	0.25		39.0		39.0	2.0	37.0
KEG RIVER F4F	3 520.0	0.25		880.0		880.0	15.3	864.7
KEG RIVER G4G	600.0	0.25		150.0		150.0	14.4	135.6
KEG RIVER H4H	400.0	0.30		120.0		120.0	15.8	104.2
KEG RIVER I4I	100.0	0.20		20.0		20.0	0.5	19.5
KEG RIVER J4J	100.0	0.25		25.0		25.0	6.8	18.2
KEG RIVER K4K	225.0	0.25		56.3		56.3	4.5	51.8
KEG RIVER L4L	450.0	0.25		113.0		113.0	9.1	103.9
KEG RIVER M4M	240.0	0.10		24.0		24.0	1.3	22.7
KEG RIVER N4N	342.0	0.20		68.4		68.4	2.0	66.4
WANYANDIE 060-27W5								
CARDIUM A	242.0	0.10		24.2		24.2	6.3	17.9
CARDIUM B	424.0	0.10		42.4		42.4	0.1	42.3
CARDIUM C	397.0	0.05		19.9		19.9	1.3	18.6
WAPITI 067-06W6								
CARDIUM A&B	13 650.0	0.10		1 365.0		1 365.0	110.0	1 255.0
DUNVEGAN A	452.0	0.10		45.2		45.2	3.3	41.9
DUNVEGAN B	222.0	0.10		22.2		22.2	2.6	19.6
WASKAHIGAN 064-23W5								
DUNVEGAN A	3 000.0	0.05		150.0		150.0	103.6	46.4
DUNVEGAN C	520.0	0.05		26.0		26.0	13.6	12.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
11	29.19	0.033	0.23	0.69	125	815	82	15 480	1 606.0	1969	79 01 - SUSP 80 07
9	78.15	0.114	0.08	0.83	63	849	70	11 050	1 521.6	1970	82 12 - GPP
11	43.56	0.070	0.17	0.88	37	865	68	13 720	1 471.0	1970	82 12 - GPP
23	27.22	0.061	0.20	0.86	45	834	72	13 880	1 474.6	1970	85 12
15	36.09	0.085	0.10	0.82	70	849	73	13 360	1 501.4	1970	86 12 - GPP
12	44.35	0.061	0.20	0.88	38	855	68	14 370	1 457.6	1970	82 12 - SUSP 84 05
13	33.83	0.075	0.20	0.75	92	829	76	14 930	1 563.6	1970	75 03 - SUSP 75 03
8	30.48	0.050	0.20	0.80	90	849	72	13 890	1 524.6	1970	73 02 - GPP - IS NO 7
16	46.02	0.075	0.10	0.82	68	860	70	11 400	1 491.8	1970	75 12 - GPP
13	40.93	0.075	0.10	0.78	90	839	72	14 040	1 513.9	1970	71 09 - GPP
6	50.66	0.085	0.10	0.81	53	849	79	12 600	1 500.2	1971	75 12 - SUSP 85 05
10	48.77	0.120	0.10	0.80	76	849	73	12 450	1 523.1	1971	84 12 - GPP
11	48.89	0.030	0.23	0.82	80	849	73	14 530	1 508.5	1971	72 07 - SUSP 85 05
13	91.74	0.073	0.10	0.84	89	865	70	10 450	1 512.4	1971	81 12 - SUSP 84 11
11	49.07	0.105	0.18	0.86	53	865	70	10 640	1 476.5	1972	83 12 - GPP
11	72.40	0.120	0.07	0.84	57	855	69	12 500	1 495.3	1972	84 07
14	60.43	0.087	0.21	0.86	33	870	60	6 235	1 483.1	1972	87 07
12	45.72	0.070	0.15	0.77	89	829	81	15 240	1 531.9	1972	73 05
10	54.86	0.120	0.10	0.83	51	865	72	14 360	1 496.3	1972	85 12 - SUSP 85 06
7	32.80	0.090	0.10	0.87	53	870	69	14 880	1 467.9	1972	82 12 - SUSP 81 12
5	31.18	0.095	0.18	0.87	33	876	65	13 810	1 449.6	1973	74 05 - SUSP 87 01
9	55.17	0.136	0.10	0.87	43	870	62	14 270	1 471.6	1973	86 12 - GPP
39	15.88	0.100	0.23	0.85	59	855	67	14 040	1 473.1	1973	79 12 - GPP
29	21.46	0.072	0.18	0.85	57	855	69	12 580	1 481.3	1973	78 03 - SUSP 78 02
13	22.70	0.050	0.18	0.80	89	839	60	15 670	1 574.0	1974	74 12 - GPP
32	19.51	0.063	0.20	0.80	76	829	70	15 220	1 539.8	1969	85 12 - SUSP 85 03
12	54.25	0.090	0.20	0.84	66	849	72	15 060	1 490.5	1977	87 12 - GPP
8	22.60	0.060	0.30	0.86	35	850	68	14 380	1 459.0	1980	82 12 - SUSP 81 02
16	42.00	0.072	0.12	0.83	35	852	77	15 240	1 496.0	1981	81 09
8	22.50	0.060	0.20	0.86	46	835	64	9 278	1 584.8	1981	85 12 - SUSP 86 02
64	19.50	0.055	0.30	0.80	77	854	55	14 163	1 541.3	1982	86 12 - SUSP 86 02
16	27.00	0.110	0.20	0.86	34	850	65	14 724	1 555.5	1982	85 12 - GPP
16	18.00	0.050	0.26	0.86	49	872	70	14 000	1 454.5	1983	85 06 - SUSP 85 03
4	46.48	0.080	0.13	0.85	58	860	71	7 346	1 502.5	1982	84 06 - ABAND 87 02
8	52.70	0.047	0.21	0.85	48	854	85	11 105	1 484.8	1984	85 09
13	52.59	0.116	0.11	0.85	51	862	71	14 867	1 495.1	1984	86 06
64	15.90	0.026	0.50	0.87	43	890	68	13 765	1 443.1	1984	85 04 - SUSP 85 05
30	20.33	0.030	0.40	0.85	51	871	71	13 566	1 457.9	1985	86 06
64	32.30	0.032	0.25	0.73	104	844	73	14 717	1 498.2	1984	85 08
4	37.60	0.051	0.25	0.87	30	878	68	8 452	1 467.4	1985	86 03
23	38.85	0.092	0.18	0.89	38	858	68	14 422	1 474.5	1985	86 08
23	30.83	0.069	0.16	0.73	104	875	73	15 151	1 533.2	1985	86 09
26	13.22	0.080	0.20	0.85	58	850	72	14 766	1 569.5	1985	87 01
11	77.68	0.081	0.16	0.86	30	873	68	11 997	1 486.7	1985	86 06
64	10.00	0.040	0.29	0.86	30	875	68	12 403	1 444.0	1985	86 01
64	73.90	0.095	0.13	0.90	33	889	70	13 555	1 496.5	1985	86 03
15	53.38	0.099	0.13	0.87	43	877	68	12 181	1 476.5	1985	86 04
7	73.90	0.107	0.16	0.86	241	891	68	13 738	1 504.5	1985	87 04
13	17.47	0.064	0.20	0.86	44	855	15	14 138	1 477.5	1986	87 04
19	29.10	0.034	0.30	0.76	106	872	68	14 712	1 531.2	1985	87 01
30	20.49	0.052	0.20	0.88	34	852	67	13 969	1 460.8	1986	87 07
14	44.58	0.101	0.17	0.86	48	874	64	13 560	1 531.0	1986	87 07
11	38.23	0.079	0.15	0.85	51	808	71	14 229	1 489.0	1986	87 12
31	19.68	0.074	0.14	0.88	37	872	57	13 954	1 458.8	1986	87 12
64	15.39	0.066	0.40	0.62	134	817	65	15 170	2 232.7	1980	81 06
64	17.80	0.077	0.22	0.62	180	780	65	15 154	2 149.6	1982	83 03
64	15.90	0.090	0.30	0.62	134	823	65	15 186	2 154.8	1980	85 12
2 492	8.25	0.112	0.25	0.79	98	810	40	10 462	1 406.5	1982	87 11
192	2.80	0.150	0.34	0.85	50	842	54	10 313	1 639.3	1985	87 05
64	4.00	0.150	0.32	0.85	60	800	54	10 032	1 516.0	1980	87 04
698	5.77	0.145	0.35	0.79	76	834	57	10 240	1 539.2	1967	85 08 - GPP
128	4.61	0.180	0.38	0.79	88	831	40	7 832	1 523.7	1981	85 08 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 ENHANCED	6 TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WATELET 047-26W4								
BELLY RIVER B	281.0	0.01		2.8		2.8	1.6	1.2
ELLERSLIE A	320.0	0.15		48.0		48.0	37.7	10.3
WATTS 031-16W4								
LOWER MANNVILLE A	139.0	0.10		13.9		13.9	4.6	9.3
LOWER MANNVILLE B	167.0	0.10		16.7		16.7	5.0	11.7
LOWER MANNVILLE D	231.0	0.10		23.1		23.1	0.1	23.0
LOWER MANNVILLE E	496.0	0.10		49.6		49.6	3.9	45.7
BANFF A	50.0	0.10		5.0		5.0	1.8	3.2
BANFF C	557.0	0.10		55.7		55.7	19.4	36.3
BANFF D	829.0	0.10		82.9		82.9	11.7	71.2
BANFF G	114.0	0.10		11.4		11.4	0.4	11.0
BANFF H	5 676.0	0.15		851.0		851.0	128.0	723.0
BANFF I	448.0	0.15		67.2		67.2	8.8	58.4
BANFF J	89.1	0.15		13.4		13.4	1.8	11.6
BANFF L	111.0	0.15		16.7		16.7	10.8	5.9
BANFF M	760.0	0.10		76.0		76.0	11.5	64.5
BANFF N	322.0	0.10		32.2		32.2	3.2	29.0
BANFF O	159.0	0.15		23.9		23.9	5.9	18.0
BANFF P	86.4	0.15		13.0		13.0	0.1	12.9
BANFF Q	81.7	0.15		12.3		12.3	3.4	8.9
BANFF R	184.0	0.15		27.6		27.6	3.9	23.7
WAYNE-ROSEDALE 027-20W4								
VIKING H	73.6	0.10		7.3		7.3	5.2	2.1
VIKING M	107.0	0.10		10.6		10.6	4.2	6.4
UPPER MANNVILLE E	351.0	0.01		3.5		3.5	1.7	1.8
GLAUCONITIC F	159.0	0.01		1.6		1.6	0.9	0.7
GLAUCONITIC L	130.0	0.10		13.0		13.0	4.9	8.1
GLAUCONITIC M	435.0	0.01		4.4		4.4	2.2	2.2
GLAUCONITIC N	213.0	0.01		2.1		2.1	1.6	0.5
GLAUCONITIC DD	93.7	0.10		9.4		9.4	0.4	9.0
GLAUCONITIC EE	105.0	0.10		10.5		10.5		10.5
OSTRACOD D	78.3	0.10		7.8		7.8	4.0	3.8
OSTRACOD J	175.0	0.10		17.5		17.5	3.8	13.7
BASAL QUARTZ A	159.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ B	10 900.0	0.08		872.0		872.0	573.0	299.0
BASAL QUARTZ E	3 857.0	0.03		116.0		116.0	62.5	53.5
BASAL QUARTZ F	105.0	0.10		10.5		10.5	9.7	0.8
BASAL QUARTZ G	77.5	<0.01		0.1		0.1	0.1	
BASAL QUARTZ H	157.0	<0.02		2.5		2.5	2.5	
BASAL QUARTZ O	149.0	0.04		6.0		6.0	5.2	0.8
BASAL QUARTZ U	532.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ AA	498.0	<0.01		2.3		2.3	0.3	2.0
BASAL QUARTZ BB	357.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ DD	549.0	0.01		5.5		5.5	2.7	2.8
BASAL QUARTZ EE	205.0	<0.01		0.1		0.1		0.1
BASAL QUARTZ FF	156.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ GG	2 120.0	0.12		254.0		254.0	84.4	169.6
BASAL QUARTZ NN	291.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ OO	463.0	0.10		46.3		46.3	13.1	33.2
BASAL QUARTZ PP	441.0	0.02		8.8		8.8	5.1	3.7
BASAL QUARTZ QQ	184.0	0.10		18.4		18.4	4.4	14.0
BASAL QUARTZ RR	150.0	0.10		15.0		15.0	4.6	10.4
BASAL QUARTZ VV	424.0	0.02		8.5		8.5	1.8	6.7
BASAL QUARTZ CCC	510.0	0.10		51.0		51.0	3.9	47.1
BASAL QUARTZ FFF	341.0	0.10		34.1		34.1	0.5	33.6
BASAL QUARTZ GGG	214.0	0.10		21.4		21.4	1.8	19.6
BANFF C	300.0	0.15		45.0		45.0	26.9	18.1
WEMBLEY 073-08W6								
CHARLIE LAKE A	90.1	0.10		9.0		9.0	5.5	3.5
CHARLIE LAKE B	177.0	0.10		17.7		17.7	8.2	9.5
CHARLIE LAKE C	146.0	0.10		14.6		14.6	2.2	12.4
CHARLIE LAKE D	66.3	0.20		13.3		13.3	8.9	4.4
CHARLIE LAKE E	130.0	0.15		19.5		19.5	6.0	13.5
CHARLIE LAKE F	176.0	0.15		26.4		26.4	4.3	22.1
HALFWAY R	49.6	0.01		0.5		0.5	0.5	
HALFWAY B	23 000.0	0.20		4 600.0		4 600.0	1 158.3	3 441.7
DOIG E	1 800.0	0.10		180.0		180.0	99.4	80.6
DOIG F	71.0	0.15		10.7		10.7	0.7	10.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.00	0.250	0.35	0.90	28	865	31	5 270	723.0	1981	83 12 - SUSP 86 01
147	2.08	0.160	0.25	0.87	51	898	52	11 050	1 475.3	1965	83 12 - GPP
64	2.00	0.210	0.40	0.86	56	850	32	9 146	1 217.5	1982	82 08
64	2.90	0.170	0.40	0.88	49	867	37	9 274	1 206.6	1984	85 01
64	3.70	0.180	0.37	0.86	57	850	37	8 080	1 155.0	1986	86 11
64	5.80	0.230	0.34	0.88	49	880	36	9 280	1 261.4	1986	86 12
64	4.86	0.035	0.46	0.85	61	849	42	9 310	1 255.9	1970	86 10
259	4.71	0.070	0.26	0.88	58	862	40	8 300	1 271.3	1984	87 09
384	5.72	0.060	0.26	0.85	60	864	39	9 852	1 225.5	1984	85 12
64	6.30	0.045	0.26	0.85	60	882	42	9 152	1 246.8	1985	86 03
805	15.00	0.070	0.21	0.85	55	860	47	9 225	1 249.2	1986	87 10
64	14.00	0.070	0.16	0.85	66	885	31	9 501	1 250.1	1986	86 06
64	7.00	0.030	0.22	0.85	66	860	33	8 926	1 257.3	1982	86 06
64	6.60	0.050	0.38	0.85	61	849	42	9 581	1 247.8	1981	87 03
423	5.64	0.050	0.25	0.85	61	877	42	9 425	1 231.0	1982	87 11
64	16.00	0.050	0.26	0.85	61	882	42	9 362	1 272.0	1986	86 12
64	7.50	0.060	0.35	0.85	66	883	31	9 458	1 235.8	1986	87 01
64	6.30	0.400	0.37	0.85	66	883	31	9 268	1 240.0	1986	87 01
64	7.70	0.030	0.35	0.85	66	883	31	9 608	1 232.5	1986	87 01
64	13.00	0.040	0.35	0.85	65	880	38	9 000	1 250.6	1986	87 02
65	0.91	0.220	0.35	0.87	54	811	39	6 571	1 042.4	1973	76 05 - GPP
65	1.22	0.240	0.35	0.87	54	811	32	7 920	1 053.7	1977	78 12
32	14.00	0.140	0.30	0.80	88	857	40	10 040	1 437.3	1979	83 12 - GPP
65	1.86	0.200	0.20	0.82	80	829	43	9 690	1 351.0	1961	82 12 - GPP
64	3.10	0.140	0.46	0.87	53	876	46	9 970	1 338.5	1973	79 01 - GPP
64	5.50	0.230	0.39	0.88	47	892	46	9 570	1 339.0	1978	80 12 - GPP
32	6.10	0.180	0.25	0.81	64	856	52	9 437	1 224.8	1958	83 12 - GPP
64	2.20	0.150	0.49	0.87	50	869	45	8 509	1 329.5	1984	85 07
64	1.90	0.170	0.39	0.83	66	860	43	8 974	1 218.7	1984	85 12
64	1.50	0.170	0.40	0.80	98	869	39	8 953	1 446.3	1980	81 07 - GPP
128	1.07	0.210	0.24	0.80	62	870	43	8 932	1 414.5	1980	86 12 - GPP
36	7.32	0.165	0.55	0.82	71	815	41	9 660	1 363.4	1968	74 12 - SUSP 69 12
1 463	11.83	0.160	0.52	0.82	71	870	44	10 340	1 369.2	1954	86 01 - GPP
576	9.50	0.150	0.46	0.87	48	878	47	10 270	1 353.4	1962	87 07 - GPP
110	1.00	0.170	0.30	0.80	74	870	48	9 650	1 371.9	1957	86 12 - GPP
16	10.70	0.123	0.55	0.81	71	870	43	9 790	1 374.3	1962	63 02 - ABAND 63 08
16	9.14	0.180	0.27	0.81	74	870	48	10 070	1 440.8	1961	71 05 - ABAND 83 02
65	2.44	0.226	0.49	0.82	53	860	38	8 270	1 445.4	1959	78 10 - GPP
65	6.71	0.220	0.32	0.82	74	865	49	9 900	1 364.6	1972	73 02 - ABAND 72 06
64	7.50	0.190	0.35	0.84	68	857	38	9 290	1 414.8	1979	85 12 - ABAND 81 08
64	8.20	0.160	0.50	0.85	68	857	40	9 700	1 455.9	1979	82 12 - ABAND 81 05
64	11.00	0.150	0.35	0.80	67	857	41	8 586	1 360.9	1979	83 12 - GPP
64	4.39	0.140	0.35	0.80	88	857	41	10 515	1 494.0	1979	83 12 - SUSP 81 09
64	3.90	0.120	0.35	0.80	88	857	44	10 091	1 443.3	1979	80 08 - SUSP 83 12
712	4.90	0.146	0.48	0.80	63	862	38	9 649	1 359.7	1980	83 06
64	6.00	0.170	0.45	0.81	58	883	39	9 636	1 390.3	1981	82 11 - SUSP 84 02
128	9.30	0.120	0.60	0.81	72	863	38	9 620	1 203.2	1981	85 12
64	12.00	0.140	0.50	0.82	70	872	47	9 834	1 288.5	1981	86 12
64	5.00	0.140	0.50	0.82	70	882	47	9 804	1 254.2	1980	83 01
64	5.30	0.120	0.55	0.82	74	819	39	8 723	1 229.2	1982	83 01
64	9.40	0.160	0.45	0.80	60	876	52	9 554	1 336.3	1980	85 12
340	2.82	0.130	0.53	0.87	53	885	40	8 763	1 233.9	1984	87 11
64	9.00	0.140	0.52	0.88	48	878	47	9 233	1 315.5	1986	86 11
64	4.30	0.180	0.48	0.83	70	857	30	8 500	1 257.0	1977	87 01
193	2.80	0.140	0.51	0.81	59	877	36	9 856	1 385.6	1980	86 12
64	2.00	0.110	0.20	0.80	75	832	59	19 660	2 077.4	1981	86 12
64	3.00	0.139	0.15	0.78	183	832	83	19 546	2 064.3	1980	81 05
64	2.80	0.120	0.13	0.78	91	845	72	19 521	2 189.2	1982	86 02
74	2.00	0.080	0.20	0.70	135	840	66	24 435	2 027.0	1979	87 12
80	1.50	0.150	0.10	0.80	135	840	69	24 614	2 062.5	1986	87 12
64	2.40	0.180	0.15	0.75	120	823	76	19 235	2 080.4	1985	86 09
64	2.55	0.090	0.48	0.65	183	807	83	21 172	2 225.5	1984	85 07 - SUSP 85 09
7 205	6.60	0.102	0.27	0.65	183	802	83	21 443	2 128.3	1978	87 10
400	13.00	0.070	0.26	0.67	162	802	76	21 795	2 162.4	1984	86 02 - GPP
64	2.90	0.070	0.19	0.67	140	838	73	21 141	2 143.6	1984	84 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WEMBLEY 073-08W6 (CONTINUED)								
DOIG G	1 200.0	0.03		36.0		36.0	17.9	18.1
WERNER 034-12W4								
GLAUCONITIC A	247.0	0.10		24.7		24.7	0.8	23.9
WEST COVE 055-06W5								
NORDEGG-BANFF A	895.0	0.05		44.8		44.8	2.1	42.7
NORDEGG-BANFF B	144.0	<0.01		0.1		0.1	0.1	
WEST DRUMHELLER 030-20W4								
D-2 A	7 170.0	0.65		4 660.0		4 660.0	4 441.3	218.7
D-2 B	30.4	<0.01		0.1		0.1	0.1	
IRETON A	326.0	0.15		48.9		48.9	43.4	5.5
D-3 A	1 250.0	0.65		813.0		813.0	760.1	52.9
WESTEROSE 046-28W4								
BELLY RIVER A	451.0	<0.01		0.1		0.1	0.1	
D-3	31 000.0	0.71		22 000.0		22 000.0	19 945.9	2 054.1
WESTEROSE SOUTH 043-02W5								
VIKING A	113.0	0.15		17.0		17.0	3.3	13.7
OSTRACOD A	17.0	0.10		1.7		1.7		1.7
BASAL QUARTZ A	256.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ D	359.0	0.10		35.9		35.9	1.2	34.7
BASAL QUARTZ E	125.0	0.10		12.5		12.5	2.8	9.7
BANFF A	144.0	<0.01		0.3		0.3	0.3	
WESTPEM 049-13W5								
OSTRACOD A	249.0	0.10		24.9		24.9	6.6	18.3
OSTRACOD B	78.0	0.10		7.8		7.8	2.0	5.8
OSTRACOD C	39.2	<0.01		0.2		0.2	0.2	
NISKU A SOLVENT FLOOD	2 650.0	0.40	0.35	1 060.0	928.0	1 990.0	1 069.5	920.5
NISKU C SOLVENT FLOOD	4 000.0	0.40	0.40	1 600.0	1 600.0	3 200.0	1 511.4	1 688.6
NISKU D SOLVENT FLOOD	2 200.0	0.40	0.30	880.0	660.0	1 540.0	885.2	654.8
WHITECOURT 060-11W5								
VIKING A	32.3	<0.02		0.5		0.5	0.5	
JURASSIC K	82.6	0.10		8.3		8.3	4.3	4.0
WHITEMUD 051-25W4								
BLAIRMORE	238.0	<0.18		42.2		42.2	42.2	
WILDWOOD 054-09W5								
BASAL QUARTZ A	204.0	0.02		4.1		4.1	2.1	2.0
PEKISKO A	499.0	0.05		25.0		25.0	8.5	16.5
WILLESDEN GREEN 042-07W5								
BELLY RIVER A WATER FLOOD	1 220.0	0.06	0.06	73.2	73.2	146.0	101.3	44.7
BELLY RIVER B	1 910.0	0.02		38.1		38.1	35.9	2.2
BELLY RIVER C	42.4	<0.09		3.7		3.7	3.7	
BELLY RIVER H	260.0	0.10		26.0		26.0	20.1	5.9
BELLY RIVER J	159.0	0.10		15.9		15.9	13.4	2.5
BELLY RIVER L	307.0	0.03		9.2		9.2	8.3	0.9
BELLY RIVER M	351.0	<0.01		0.1		0.1		0.1
BELLY RIVER N	186.0	<0.01		0.1		0.1	0.1	
BELLY RIVER O	325.0	0.03		9.8		9.8	3.0	6.8
BELLY RIVER Q	359.0	<0.01		0.6		0.6	0.6	
BELLY RIVER R	256.0	0.05		12.8		12.8	2.0	10.8
BELLY RIVER S	314.0	<0.01		0.1		0.1	0.1	
BELLY RIVER T	165.0	0.02		3.3		3.3	1.4	1.9
BELLY RIVER V	609.0	0.10		60.9		60.9	11.7	49.2
BELLY RIVER Y	171.0	0.10		17.1		17.1	0.4	16.7
BELLY RIVER Z	124.0	0.10		12.4		12.4	0.4	12.0
BELLY RIVER BB	185.0	0.03		5.6		5.6	1.6	4.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
192	18.14	0.075	0.28	0.64	171	809	81	23 258	2 322.1	1982	87 12
64	3.50	0.200	0.40	0.92	31	867	34	10 985	1 067.3	1981	82 06
64	16.17	0.156	0.37	0.88	50	904	45	11 321	1 468.9	1980	85 04 - SUSP 86 12
32	6.70	0.120	0.39	0.92	27	919	43	8 855	1 460.1	1984	85 06 - ABAND 87 03
1 730	14.00	0.050	0.20	0.74	120	815	56	13 790	1 674.3	1952	83 12 - GPP
64	2.00	0.045	0.40	0.88	120	833	44	13 280	1 700.0	1985	85 11 - SUSP 85 08
445	3.05	0.040	0.25	0.80	78	811	64	13 992	1 712.4	1954	80 04 - GPP
272	7.50	0.087	0.13	0.81	69	839	57	14 070	1 723.3	1954	85 12 - GPP - MRL
64	9.30	0.189	0.55	0.89	52	845	33	6 458	932.0	1986	86 08 - SUSP 86 08
652	72.20	0.105	0.07	0.67	166	820	82	17 930	2 204.6	1952	83 12
64	3.50	0.095	0.35	0.82	80	827	51	15 329	1 744.1	1986	86 08
64	0.80	0.065	0.36	0.64	74	870	72	16 389	1 868.3	1981	87 10
64	5.50	0.130	0.30	0.80	86	882	60	12 635	1 889.8	1980	83 12 - SUSP 81 08
64	5.00	0.165	0.15	0.80	85	851	59	16 249	1 852.0	1984	85 04 - GPP
64	3.30	0.095	0.17	0.75	120	854	60	18 025	1 992.6	1985	86 05
64	2.80	0.130	0.24	0.80	90	910	49	12 886	1 771.6	1980	84 12 - SUSP 82 12
64	4.00	0.150	0.10	0.72	125	811	88	17 037	2 462.0	1981	82 11
64	2.40	0.083	0.15	0.72	110	778	80	32 200	2 432.7	1983	84 09
64	1.70	0.085	0.20	0.53	165	805	97	20 050	2 738.7	1985	87 12 - SUSP 86 02
62	75.89	0.100	0.12	0.64	208	815	100	38 230	2 929.4	1977	82 08
60	90.35	0.110	0.14	0.78	130	824	104	31 915	3 033.0	1979	85 02
74	59.30	0.100	0.09	0.55	328	798	104	40 962	3 139.3	1979	82 08
65	0.61	0.170	0.40	0.80	82	844	66	8 290	1 252.4	1968	71 05 - ABAND 70 05
64	3.00	0.110	0.54	0.85	52	864	68	11 050	1 719.8	1976	86 10
81	3.47	0.150	0.30	0.81	77	839	53	9 030	1 244.2	1949	74 12 - ABAND 70 09
64	4.20	0.130	0.20	0.73	128	839	65	16 374	1 767.5	1980	86 12
128	5.21	0.120	0.22	0.80	75	852	58	12 955	1 732.6	1982	87 04
324	4.24	0.140	0.28	0.88	62	815	53	9 070	1 538.3	1961	85 12 - GPP
453	4.82	0.137	0.23	0.83	62	815	54	9 140	1 568.8	1956	75 12 - GPP
30	1.22	0.200	0.30	0.83	60	815	53	8 960	1 531.0	1961	73 02 - ABAND 64 10
64	6.85	0.130	0.45	0.83	62	820	47	9 220	1 597.2	1967	84 05
195	0.91	0.154	0.30	0.83	59	815	52	9 530	1 525.8	1972	85 12
65	5.18	0.153	0.28	0.83	67	815	53	8 960	1 486.5	1962	80 12 - GPP
64	6.30	0.150	0.30	0.83	58	815	52	9 530	1 390.0	1978	82 12 - SUSP 80 01
64	4.50	0.130	0.40	0.83	65	825	56	8 144	1 410.8	1981	83 12 - SUSP 82 06
64	5.90	0.140	0.26	0.83	66	831	42	8 636	1 461.2	1982	86 12 - GPP
64	5.30	0.150	0.15	0.83	65	773	55	6 250	1 532.1	1982	85 12 - ABAND 82 12
64	7.30	0.120	0.45	0.83	61	835	55	8 214	1 402.1	1982	85 12 - GPP
64	6.50	0.130	0.30	0.83	61	835	55	9 396	1 619.8	1978	84 03 - SUSP 84 02
64	3.70	0.120	0.30	0.83	61	835	55	10 233	1 578.7	1983	86 12
128	6.30	0.130	0.30	0.83	61	834	55	9 360	1 561.2	1979	84 05
64	4.60	0.140	0.50	0.83	61	835	55	14 471	1 574.0	1962	84 09
64	2.00	0.180	0.35	0.83	70	844	40	7 457	1 509.0	1983	84 09 - SUSP 86 07
64	4.59	0.152	0.50	0.83	70	835	51	9 800	1 460.8	1984	87 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WILLESDEN GREEN 042-07W5 (CONTINUED)								
BELLY RIVER DD	70.1	0.10		7.0		7.0	0.4	6.6
BELLY RIVER W&X	442.0	0.05		22.1		22.1	1.7	20.4
CARDIUM A TOTAL	123 300.0			10 530.0	15 200.0	25 730.0	16 852.2	8 877.8
PRIMARY AREA	19 180.0	0.09		1 726.0		1 726.0		
SOLVENT FLOOD AREA	35 600.0	0.07	0.07	2 480.0	2 480.0	5 000.0		
WATER FLOOD AREA	68 500.0	0.09	0.18	6 320.0	12 700.0	19 000.0		
CARDIUM D	122.0	0.07		8.6		8.6	0.1	8.5
CARDIUM E	409.0	0.10		40.9		40.9	27.7	13.2
CARDIUM G	88.2	0.05		4.4		4.4	1.7	2.7
CARDIUM H	170.0	0.08		13.6		13.6	10.8	2.8
CARDIUM I	190.0	0.10		19.0		19.0	4.9	14.1
CARDIUM J	243.0	0.02		4.9		4.9	2.1	2.8
CARDIUM K	86.9	0.10		8.7		8.7	1.3	7.4
CARDIUM L	76.6	0.05		3.8		3.8		3.8
SECOND WHITE SPECKS A	54.7	0.20		10.9		10.9	6.4	4.5
SECOND WHITE SPECKS B	730.0	0.02		14.6		14.6	6.8	7.8
SECOND WHITE SPECKS C	108.0	0.10		10.8		10.8	8.1	2.7
SECOND WHITE SPECKS D	729.0	0.10		72.9		72.9	25.1	47.8
SECOND WHITE SPECKS E	899.0	0.15		135.0		135.0	17.5	117.5
SECOND WHITE SPECKS F	73.2	0.10		7.3		7.3	0.3	7.0
VIKING A	7 100.0	0.11		780.0		780.0	509.4	270.6
VIKING B	450.0	0.25		113.0		113.0	80.2	32.8
VIKING G	190.0	0.15		28.5		28.5	12.8	15.7
VIKING H	1 650.0	0.10		165.0		165.0	49.4	115.6
VIKING L	28.7	0.15		4.3		4.3	2.4	1.9
VIKING M	50.7	<0.02		0.6		0.6	0.6	
VIKING Q	19.3	<0.03		0.5		0.5	0.5	
VIKING R	83.9	0.12		10.1		10.1	3.3	6.8
VIKING S	45.7	<0.02		0.8		0.8	0.8	
VIKING T	89.8	0.15		13.5		13.5	2.7	10.8
VIKING V	12.3	0.15		1.8		1.8	1.3	0.5
VIKING W	90.1	0.20		18.0		18.0	5.4	12.6
VIKING Y	39.8	0.15		6.0		6.0	0.5	5.5
VIKING Z	440.0	0.04		20.0		20.0	14.7	5.3
VIKING AA	24.4	0.15		3.7		3.7	2.6	1.1
GLAUCONITIC A TOTAL	1 560.0			236.0	70.5	306.0	239.1	66.9
PRIMARY AREA	153.0	0.15		23.0		23.0		
WATER FLOOD AREA	1 410.0	0.15	0.05	213.0	70.5	283.0		
GLAUCONITIC E	81.3	0.15		12.2		12.2	1.7	10.5
ELLERSLIE B	134.0	0.10		13.4		13.4	3.7	9.7
ELLERSLIE C	125.0	0.15		18.8		18.8	8.0	10.8
ELLERSLIE D	124.0	0.10		12.4		12.4	2.0	10.4
ELLERSLIE E	92.2	0.10		9.2		9.2	4.8	4.4
ELLERSLIE F	206.0	<0.01		0.4		0.4	0.4	
ROCK CREEK B	54.0	0.10		5.4		5.4	0.2	5.2
ROCK CREEK C	135.0	0.10		13.5		13.5	1.3	12.2
ROCK CREEK D	118.0	0.10		11.8		11.8		11.8
ROCK CREEK E	56.9	0.10		5.7		5.7	1.9	3.8
WILLINGDON 055-17W4								
VIKING H	87.0	<0.01		0.2		0.2	0.2	
WILLOW 028-17W4								
VIKING B	50.0	<0.01		0.3		0.3	0.3	
WILSON CREEK 043-04W5								
BELLY RIVER A	2 020.0	0.10		202.0		202.0	32.5	169.5
BELLY RIVER B	1 430.0	0.10		143.0		143.0	26.4	116.6
BELLY RIVER C	199.0	0.10		19.9		19.9	4.1	15.8
CARDIUM A	117.0	0.10		11.7		11.7	0.6	11.1
WIMBORNE 034-26W4								
GLAUCONITIC B	454.0	0.10		45.4		45.4	11.9	33.5
D-2 A	683.0	<0.11		69.8		69.8	69.8	
D-2 B	329.0	0.06		19.7		19.7	15.0	4.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	2.00	0.120	0.45	0.83	65	825	55	9 973	1 527.5	1985	86 07
111	7.29	0.120	0.35	0.70	61	835	55	15 269	1 505.6	1964	87 05 - GPP
54 807					176	820	60	21 200	1 897.4	1954	87 12 - GPP
11 580	2.53	0.114	0.13	0.66							
10 313	4.83	0.111	0.13	0.74							
32 914	2.29	0.153	0.10	0.66							
65	4.27	0.080	0.15	0.65	177	825	60	20 240	1 824.4	1976	78 09
192	4.26	0.100	0.23	0.65	176	830	55	20 340	1 914.1	1978	85 12
64	2.90	0.100	0.34	0.72	49	844	60	20 680	1 900.5	1979	84 12 - GPP
64	2.78	0.150	0.15	0.75				20 796	1 914.6	1975	78 12
64	3.00	0.150	0.13	0.76	100	832	60	19 651	1 985.3	1979	79 12
64	4.40	0.130	0.15	0.78	97	830	68	12 229	1 911.5	1983	86 12
64	2.00	0.100	0.13	0.78	97	830	68	19 825	2 012.0	1979	83 09
64	1.80	0.140	0.34	0.72	110	830	71		2 056.0	1980	87 12
100	1.22	0.080	0.20	0.70	149	801	71	21 520	2 051.0	1975	87 12 - GPP
64	10.80	0.220	0.25	0.64	187	818	40	22 893	2 082.0	1979	82 10 - GPP
64	3.00	0.100	0.20	0.70	149	810	74	18 867	2 133.5	1980	81 06 - GPP
128	14.10	0.090	0.30	0.64	186	833	69	24 183	2 113.8	1980	83 05
64	11.70	0.250	0.25	0.64	180	815	62	23 566	2 167.4	1985	85 08
64	2.50	0.110	0.35	0.64	187	833	69	24 077	2 120.8	1982	86 01
7 900	2.41	0.082	0.30	0.65	154	834	74	25 168	2 182.8	1956	86 01 - GPP
650	1.91	0.090	0.36	0.63	177	815	79	22 781	2 136.1	1955	85 10 - GPP
90	4.20	0.100	0.25	0.67	166	840	81	26 409	2 226.6	1980	85 12
384	4.90	0.160	0.13	0.63	180	718	86	22 760	2 294.1	1983	86 05
64	1.10	0.100	0.40	0.68	170	842	57	23 486	2 126.2	1983	84 09
64	1.30	0.130	0.31	0.68	210	823	70	22 679	2 277.9	1983	84 10 - ABAND 86 02
64	1.00	0.090	0.50	0.67	166	832	81	23 994	2 204.5	1984	84 10 - ABAND 86 08
128	1.80	0.080	0.32	0.67	166	832	81	26 153	2 200.6	1984	86 08 - SUSP 86 08
64	2.50	0.070	0.40	0.68	210	820	80	24 083	2 292.8	1984	84 12 - SUSP 85 11
64	5.04	0.063	0.35	0.68	165	824	65	21 424	2 209.3	1983	85 03
64	0.85	0.060	0.40	0.63	177	818	86	18 818	2 239.6	1983	85 05
64	4.00	0.080	0.45	0.80	160	836	61	26 097	2 174.8	1984	85 06
64	1.77	0.076	0.30	0.66	170	818	80	24 044	2 287.3	1982	85 08
512	2.08	0.088	0.29	0.66	150	796	79	22 869	2 271.0	1982	87 11 - GPP
64	1.00	0.080	0.30	0.68	180	825	70		2 402.0	1983	87 12
831					106	876	76	25 890	2 286.9	1963	81 11 - GPP
64	3.96	0.112	0.22	0.69							
767	3.20	0.119	0.30	0.69							
64	2.00	0.110	0.23	0.75	95	870	104	23 010	2 356.0	1984	85 02
64	5.20	0.100	0.32	0.59	180	831	86	21 144	2 404.2	1983	84 09 - GPP
80	4.20	0.087	0.21	0.54	160	812	89	22 809	2 483.5	1983	87 12
64	2.00	0.210	0.23	0.60	160	757	78	22 308	2 355.0	1984	85 02
64	2.00	0.120	0.20	0.75	105	850	59	21 917	2 386.0	1985	85 09
64	3.00	0.170	0.11	0.71	125	836	88	23 120	2 484.2	1985	85 09 - SUSP 86 04
64	3.15	0.054	0.38	0.80	83	896	70	14 313	2 366.4	1982	83 10
64	5.00	0.090	0.30	0.67	145	835	86	21 196	2 508.6	1983	84 09
64	3.00	0.093	0.15	0.78	79	891	70	18 741	2 487.0	1982	83 10 - SUSP 83 07
64	2.18	0.087	0.30	0.67	142	812	90	21 200	2 412.2	1984	85 06
64	1.10	0.240	0.44	0.92	30	878	28	5 016	648.5	1985	86 03 - ABAND 86 10
64	1.00	0.150	0.40	0.87	50	811	39	5 400	1 109.8	1982	83 05 - SUSP 84 11
652	4.30	0.140	0.38	0.83	62	833	68	6 942	1 280.3	1979	87 05
448	5.49	0.140	0.50	0.83	62	893	62	6 716	1 294.5	1985	86 05
64	4.75	0.130	0.40	0.84	70	839	48	8 100	1 308.1	1985	86 04
64	3.50	0.090	0.30	0.83	65	805	58	9 115	1 615.7	1982	83 06
64	6.16	0.200	0.28	0.80	220	745	76	14 755	1 771.0	1977	87 05
268	18.99	0.029	0.30	0.66	160	834	78	19 890	2 253.1	1961	77 12 - SUSP 77 06
194	7.92	0.042	0.24	0.67	210	829	74	20 340	2 224.7	1964	81 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WIMBORNE 034-26W4 (CONTINUED)								
D-3 A	15 000.0	0.25		3 750.0		3 750.0	2 825.2	924.8
WINDFALL 060-15W5								
BLUESKY A	297.0	0.10		29.7		29.7	10.7	19.0
GETHING D	96.8	0.10		9.7		9.7	1.2	8.5
RUNDLE A	2 000.0	0.25		500.0		500.0	340.5	159.5
D-3 A	13 400.0	0.22		2 950.0		2 950.0	2 225.7	724.3
D-3 B TOTAL	1 310.0			131.0	32.4	163.0	132.9	30.1
PRIMARY AREA	500.0	0.10		50.0		50.0		
GAS FLOOD AREA	810.0	0.10	0.04	81.0	32.4	113.0		
D-3 C	795.0	0.10		79.5		79.5	21.5	58.0
WINTERING HILLS 025-17W4								
VIKING A	1 400.0	0.42		588.0		588.0	442.0	146.0
VIKING P	448.0	0.03		13.4		13.4	8.0	5.4
VIKING Q	41.3	<0.01		0.1		0.1	0.1	
VIKING S	175.0	0.05		8.8		8.8	0.8	8.0
UPPER MANNVILLE I	1 140.0	0.03		34.2		34.2	7.0	27.2
LOWER MANNVILLE A	2 210.0	0.03		66.3		66.3	45.8	20.5
LOWER MANNVILLE L	148.0	0.05		7.4		7.4	1.1	6.3
LOWER MANNVILLE Q	210.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE R	518.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE T	660.0	0.05		33.0		33.0	25.1	7.9
LOWER MANNVILLE V	607.0	0.01		6.1		6.1	1.5	4.6
LOWER MANNVILLE W	445.0	0.10		44.5		44.5	11.1	33.4
LOWER MANNVILLE X	300.0	0.06		18.0		18.0	1.3	16.7
ELLERSLIE A	458.0	<0.01		1.4		1.4	0.8	0.6
WIZARD LAKE 048-27W4								
BASAL QUARTZ A	80.2	<0.01		0.5		0.5	0.5	
BASAL QUARTZ B	87.6	<0.01		0.3		0.3	0.3	
D-2 A	613.0	<0.17		103.5		103.5	103.5	
D-3 A SOLVENT FLOOD	62 000.0	0.66	0.29	40 900.0	18 100.0	59 000.0	50 495.8	8 504.2
D-3 B	160.0	<0.07		10.8		10.8	10.8	
WOKING 075-04W6								
CHARLIE LAKE A	253.0	0.15		38.0		38.0	3.3	34.7
HALFWAY A	255.0	0.10		25.5		25.5	6.0	19.5
HALFWAY B	214.0	0.10		21.4		21.4	4.0	17.4
WOOD RIVER 043-23W4								
LOWER MANNVILLE A	366.0	0.15		54.9		54.9	33.4	21.5
LOWER MANNVILLE F	33.4	<0.01		0.1		0.1		0.1
D-2 A	1 250.0	0.15		190.0		190.0	125.5	64.5
D-2 B	1 700.0	0.25		425.0		425.0	71.4	353.6
D-2 C WATER FLOOD	1 150.0	0.35	0.15	403.0	172.0	575.0	352.0	223.0
D-2 D	630.0	0.25		158.0		158.0	38.5	119.5
D-3 A	294.0	<0.10		28.6		28.6	28.6	
D-3 B	581.0	0.30		174.0		174.0	25.2	148.8
WORSLEY 087-07W6								
TRIASSIC A	826.0	0.35		289.0		289.0	154.3	134.7
D-3 F	188.0	0.05		9.4		9.4	3.4	6.0
YEKAU LAKE 052-26W4								
LOWER MANNVILLE A	431.0	<0.01		3.4		3.4	3.4	
LOWER MANNVILLE B	260.0	<0.01		0.3		0.3	0.3	
D-2 A	95.7	<0.01		0.1		0.1	0.1	
D-3 A	1 070.0	0.70		749.0		749.0	662.2	86.8
D-3 B	39.7	<0.01		0.3		0.3	0.3	
YOUNGSTOWN 031-09W4								
UPPER MANNVILLE A	90.6	<0.01		0.1		0.1		0.1
ARCS	2 240.0	<0.36		784.0		784.0	389.6	394.4
ZAMA 117-04W6								
SULPHUR POINT A	203.0	<0.02		2.3		2.3	2.3	
SULPHUR POINT B	350.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT C	258.0	<0.02		3.2		3.2	3.2	
SULPHUR POINT D	319.0	<0.01		2.6		2.6	2.6	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
8 066	4.57	0.068	0.12	0.68	206	820	79	21 170	2 282.0	1956	87 12 - GPP
64	6.78	0.120	0.25	0.76	102	849	63	20 162	2 032.2	1976	76 12
64	3.00	0.120	0.40	0.70	156	824	82	15 315	2 098.7	1979	81 11 - SUSP 84 09
864	3.35	0.120	0.20	0.72	118	834	82	17 410	2 083.6	1957	85 12 - GPP
5 859	8.84	0.060	0.12	0.49	336	811	104	25 950	2 627.3	1957	83 12 - GPP
424					243	825	103	25 230	2 619.1	1972	82 12 - GPP
168	12.50	0.050	0.12	0.54							
256	13.28	0.050	0.12	0.54							
219	12.00	0.063	0.20	0.60	220	811	103	25 550	2 746.6	1979	82 09
309	4.02	0.231	0.44	0.87	56	825	27	7 860	887.6	1958	64 12
64	6.10	0.220	0.40	0.87	57	825	29	7 830	869.3	1978	85 12
64	0.90	0.150	0.45	0.87	57	835	29	7 540	876.5	1979	83 12 - ABAND 86 12
64	2.10	0.250	0.40	0.87	56	833	56	8 070	858.5	1984	86 12 - GPP
475	3.29	0.140	0.37	0.83	64	866	55	7 943	1 222.0	1983	85 12
356	6.58	0.179	0.35	0.81	45	887	48	9 760	1 288.7	1965	83 12 - GPP
64	1.54	0.210	0.15	0.84	66	860	46	9 680	1 255.2	1973	83 12
64	2.90	0.205	0.32	0.81	58	860	36	9 120	1 330.3	1979	83 12 - SUSP 81 09
64	10.00	0.150	0.35	0.83	66	857	37	11 067	1 322.3	1979	82 12 - SUSP 81 09
64	9.80	0.200	0.35	0.81	45	887	46	9 639	1 271.3	1965	82 07 - GPP
64	6.50	0.250	0.28	0.81	64	894	38	9 552	1 277.3	1983	86 12 - GPP
320	1.53	0.180	0.39	0.83	90	866	39	9 719	1 256.6	1983	84 06 - GPP
128	2.72	0.170	0.39	0.83	72	867	37	9 736	1 258.7	1983	86 11
64	5.74	0.220	0.30	0.81	45	887	46	9 760	1 273.8	1965	83 12 - SUSP 83 03
32	2.13	0.171	0.20	0.85	50	870	49	10 790	1 465.8	1958	61 01 - ABAND 60 04
32	2.44	0.165	0.20	0.84	53	870	49	11 030	1 483.5	1953	59 05 - ABAND 60 05
494	5.24	0.041	0.23	0.75	106	839	71	13 790	1 756.6	1958	82 12 - SUSP 79 12
1 075	86.13	0.096	0.07	0.75	109	834	72	15 650	1 969.0	1951	83 11
54	4.45	0.095	0.07	0.75	109	834	77	15 200	2 108.0	1964	72 05 - ABAND 69 12
64	3.70	0.180	0.25	0.79	80	714	52	13 521	1 537.7	1985	86 05
128	2.62	0.170	0.42	0.77	150	865	65	13 827	1 596.9	1982	84 06
64	3.20	0.160	0.15	0.77	92	859	48	13 838	1 540.1	1985	86 05
64	5.79	0.170	0.30	0.83	115	847	57	10 650	1 453.1	1956	85 01 - GPP
16	2.00	0.200	0.45	0.95	16	967	41	12 842	1 588.0	1982	83 07 - SUSP 83 01
468	3.93	0.100	0.14	0.79	80	887	60	16 410	1 694.1	1964	84 10
128	27.67	0.080	0.20	0.75	80	887	60	15 820	1 705.7	1963	84 12
187	12.00	0.078	0.10	0.73	133	839	62	15 840	1 768.4	1972	86 12
31	38.40	0.080	0.17	0.79	98	887	60	15 972	1 765.9	1983	84 12
65	9.14	0.073	0.15	0.80	142	865	61	16 030	1 695.0	1957	73 02 - ABAND 76 05
128	8.44	0.080	0.16	0.80	77	868	61	13 004	1 780.7	1981	85 03
323	2.07	0.190	0.26	0.88	57	844	43	8 480	1 048.8	1961	85 08
204	4.57	0.070	0.55	0.64	106	825	81	22 000	2 192.7	1961	85 04 - SUSP 86 04
65	7.01	0.150	0.22	0.81	83	855	54	9 480	1 257.6	1971	84 12 - SUSP 80 02
64	4.10	0.190	0.38	0.84	58	810	56	9 480	1 275.4	1985	86 06 - SUSP 86 02
65	5.79	0.042	0.24	0.80	83	820	60	11 380	1 464.6	1964	64 12 - ABAND 64 07
250	6.58	0.097	0.15	0.79	87	820	63	11 450	1 557.5	1955	86 12
16	7.32	0.060	0.30	0.80	85	849	61	11 270	1 552.7	1967	68 12 - ABAND 68 04
64	1.10	0.220	0.35	0.90	44	884	34	9 157	1 053.8	1979	83 12 - SUSP 81 12
1 131	2.65	0.103	0.22	0.93	18	860	42	8 760	1 132.0	1956	86 12 - GPP
65	5.79	0.077	0.16	0.84	64	860	66	13 100	1 370.1	1967	73 02 - SUSP 72 01
65	15.24	0.059	0.30	0.86	52	865	64	12 760	1 484.7	1967	69 05 - SUSP 68 01
19	25.91	0.070	0.13	0.86	73	839	65	12 930	1 339.9	1967	86 12 - SUSP 85 06
65	9.75	0.079	0.20	0.80	64	860	64	13 100	1 332.3	1967	74 12 - SUSP 72 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ZAMA 117-04W6 (CONTINUED)								
SULPHUR POINT F	953.0	0.15		143.0		143.0	78.3	64.7
SULPHUR POINT T	261.0	0.10		26.1		26.1	1.3	24.8
MUSKEG B	120.0	0.20		24.0		24.0	21.7	2.3
MUSKEG C	207.0	0.20		41.4		41.4	36.3	5.1
MUSKEG F	254.0	<0.10		23.3		23.3	23.3	
MUSKEG G	238.0	<0.08		18.4		18.4	18.4	
MUSKEG H	191.0	0.30		57.3		57.3	51.8	5.5
MUSKEG J	350.0	0.20		70.0		70.0	41.2	28.8
MUSKEG K	120.0	<0.01		0.3		0.3	0.3	
MUSKEG L WATER FLOOD	365.0	0.20	0.07	73.0	25.6	98.6	69.9	28.7
MUSKEG N	98.5	<0.17		16.0		16.0	16.0	
MUSKEG O	286.0	0.20		57.2		57.2	44.9	12.3
MUSKEG P	127.0	<0.12		14.1		14.1	14.1	
MUSKEG R	159.0	0.35		55.6		55.6	23.9	31.7
MUSKEG S	79.5	<0.20		12.5		12.5	12.5	
MUSKEG T	415.0	0.25		104.0		104.0	56.5	47.5
MUSKEG U	200.0	0.30		60.0		60.0	44.7	15.3
MUSKEG V	400.0	0.40		160.0		160.0	86.8	73.2
MUSKEG W	159.0	<0.07		10.8		10.8	10.8	
MUSKEG X	79.5	<0.05		3.8		3.8	3.8	
MUSKEG Y WATER FLOOD	350.0	0.20	0.10	70.0	35.0	105.0	70.4	34.6
MUSKEG AA	79.5	<0.14		10.6		10.6	10.6	
MUSKEG BB	254.0	<0.08		18.5		18.5	18.5	
MUSKEG DD	100.0	<0.20		16.8		16.8	16.8	
MUSKEG EE	114.0	<0.29		32.8		32.8	32.8	
MUSKEG GG	365.0	0.35		128.0		128.0	81.1	46.9
MUSKEG HH	234.0	<0.02		3.2		3.2	3.2	
MUSKEG II	120.0	0.14		16.8		16.8	16.8	
MUSKEG KK	156.0	0.05		7.8		7.8	3.6	4.2
MUSKEG LL	159.0	0.25		40.0		40.0	32.3	7.7
MUSKEG MM	49.1	<0.10		4.8		4.8	4.8	
MUSKEG NN	351.0	0.15		52.7		52.7	47.4	5.3
MUSKEG OO	324.0	<0.01		0.1		0.1	0.1	
MUSKEG PP	50.0	<0.13		6.1		6.1	6.1	
MUSKEG QQ	140.0	0.20		28.0		28.0	5.7	22.3
MUSKEG RR	199.0	0.30		59.7		59.7	18.1	41.6
MUSKEG SS	384.0	<0.01		3.5		3.5	3.5	
MUSKEG TT	561.0	0.30		168.0		168.0	1.8	166.2
MUSKEG UU	225.0	0.20		45.0		45.0	5.7	39.3
MUSKEG VV	161.0	0.30		48.3		48.3	0.2	48.1
MUSKEG WW	200.0	0.30		60.0		60.0	13.2	46.8
MUSKEG XX	195.0	0.20		39.0		39.0	2.7	36.3
KEG RIVER A	874.0	0.39		342.0		342.0	248.2	93.8
KEG RIVER C	318.0	<0.15		45.0		45.0	45.0	
KEG RIVER D	477.0	<0.22		102.0		102.0	101.6	0.4
KEG RIVER E	397.0	<0.24		92.4		92.4	92.4	
KEG RIVER F	874.0	0.25		219.0		219.0	170.7	48.3
KEG RIVER G	318.0	0.35		111.0		111.0	92.4	18.6
KEG RIVER H WATER FLOOD	1 750.0	0.30	0.07	525.0	122.0	647.0	392.7	254.3
KEG RIVER I	192.0	<0.01		0.7		0.7	0.7	
KEG RIVER J	477.0	0.08		38.2		38.2	29.5	8.7
KEG RIVER K	127.0	0.35		44.5		44.5	35.7	8.8
KEG RIVER L	234.0	0.25		58.5		58.5	46.1	12.4
KEG RIVER M	674.0	<0.01		0.5		0.5	0.5	
KEG RIVER N WATER FLOOD	360.0	0.25	0.10	90.0	36.0	126.0	110.4	15.6
KEG RIVER O WATER FLOOD	1 030.0	0.34	0.06	350.2	61.8	412.0	264.8	147.2
KEG RIVER P WATER FLOOD	286.0	0.35	0.15	100.0	42.9	143.0	92.5	50.5
KEG RIVER R	159.0	0.30		47.7		47.7	47.2	0.5
KEG RIVER S	874.0	0.14		122.0	ERSO	122.0	88.9	33.1
KEG RIVER T	200.0	0.30		60.0		60.0	43.9	16.1
KEG RIVER U	715.0	0.37		265.0		265.0	185.8	79.2
KEG RIVER V	318.0	<0.08		23.9		23.9	23.9	
KEG RIVER W	191.0	0.30		57.3		57.3	50.4	6.9
KEG RIVER X	306.0	0.20		61.2		61.2	16.6	44.6
KEG RIVER Y WATER FLOOD	261.0	<0.17	0.05	43.2	13.5	43.2	43.2	
KEG RIVER Z	477.0	0.37		176.0		176.0	171.1	4.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
138	15.95	0.066	0.20	0.82	74	834	69	13 030	1 341.1	1967	75 12 - GPP
64	9.30	0.066	0.17	0.80	76	843	68	13 092	1 356.3	1985	87 03
8	18.00	0.100	0.11	0.94	16	881	66	14 200	1 454.5	1966	78 12 - GPP
13	23.16	0.090	0.13	0.89	35	870	70	14 310	1 469.7	1966	86 12 - GPP
10	63.89	0.060	0.20	0.83	62	860	72	13 650	1 497.2	1967	79 01 - SUSP 78 11
30	19.48	0.060	0.17	0.81	74	860	73	13 800	1 557.2	1967	74 12 - SUSP 74 04
9	47.06	0.064	0.19	0.87	47	834	70	14 450	1 460.6	1967	83 12 - GPP
27	36.60	0.050	0.20	0.88	33	881	72	14 000	1 452.4	1967	84 08
65	6.71	0.046	0.25	0.80	80	887	60	13 650	1 407.0	1967	71 01 - ABAND 82 09
12	63.22	0.070	0.18	0.83	59	844	77	15 000	1 513.0	1967	84 12 - GPP
5	55.47	0.046	0.14	0.89	37	881	71	14 000	1 508.2	1967	82 12 - SUSP 81 01
11	48.46	0.069	0.09	0.83	54	844	72	15 000	1 508.9	1967	73 12 - GPP
11	28.01	0.056	0.21	0.94	16	892	66	14 070	1 467.8	1967	70 02 - ABAND 85 10
11	39.50	0.055	0.15	0.76	96	834	79	15 860	1 575.3	1967	73 08 - SUSP 84 07
11	14.33	0.070	0.15	0.83	39	860	71	14 270	1 500.2	1967	68 11 - SUSP 84 10
30	28.10	0.076	0.27	0.90	24	881	68	14 270	1 460.7	1967	84 09 - GPP
5	66.80	0.080	0.15	0.85	48	887	66	14 690	1 479.9	1966	82 04
15	52.10	0.070	0.20	0.90	29	881	69	14 281	1 470.7	1966	82 10 - GPP
18	20.88	0.060	0.12	0.81	78	855	71	14 380	1 562.7	1967	73 10 - ABAND 85 02
12	10.36	0.090	0.14	0.82	67	855	71	14 100	1 530.1	1968	70 01 - SUSP 72 01
42	13.45	0.080	0.10	0.86	45	855	70	14 820	1 503.9	1968	82 07
9	24.14	0.058	0.25	0.85	57	876	71	13 340	1 490.6	1968	74 11 - SUSP 76 02
31	13.90	0.075	0.12	0.88	30	860	71	13 400	1 468.5	1968	75 12 - SUSP 74 01
7	25.00	0.073	0.13	0.90	25	876	67	13 870	1 446.0	1968	81 09 - ABAND 80 07
3	45.30	0.108	0.09	0.85	42	860	69	14 530	1 480.1	1968	81 12 - SUSP 84 06
7	64.95	0.100	0.08	0.84	62	887	71	13 120	1 522.2	1969	73 08 - GPP
16	38.10	0.054	0.20	0.88	41	881	70	12 700	1 502.7	1968	73 02 - ABAND 82 09
9	24.50	0.079	0.15	0.81	74	860	72	13 870	1 507.2	1967	78 12 - SUSP 83 09
17	21.50	0.060	0.19	0.88	32	881	72	14 290	1 493.8	1969	86 12 - GPP
3	61.63	0.115	0.10	0.88	30	870	67	13 480	1 454.8	1969	84 12 - GPP
13	27.71	0.024	0.30	0.79	82	855	71	13 220	1 463.6	1971	74 12 - SUSP 74 04
25	24.99	0.077	0.11	0.83	56	855	67	14 940	1 516.7	1972	86 12 - GPP
65	24.08	0.036	0.32	0.85	44	844	36	17 960	1 553.9	1973	74 05 - ABAND 73 09
6	15.90	0.070	0.10	0.83	91	837	80	13 676	1 536.8	1982	84 12 - GPP
31	8.24	0.070	0.10	0.87	37	839	74	12 953	1 509.2	1983	85 04 - GPP
64	8.30	0.060	0.18	0.76	95	834	62	18 035	1 502.5	1983	84 01 - GPP
64	12.00	0.070	0.14	0.83	54	844	79	13 690	1 564.0	1983	86 12 - SUSP 85 04
64	16.00	0.070	0.11	0.88	35	882	71	17 953	1 499.3	1984	84 08
39	15.61	0.050	0.16	0.88	35	878	73	14 050	1 469.8	1984	86 09
64	5.60	0.060	0.10	0.83	60	837	77	15 402	1 578.4	1984	85 05
36	10.73	0.070	0.15	0.87	41	854	71	14 624	1 571.3	1985	87 02
64	8.35	0.055	0.19	0.82	59	817	66	7 570	1 526.8	1986	87 03
25	63.12	0.071	0.11	0.86	46	876	68	14 340	1 460.0	1966	70 06 - GPP
7	82.30	0.077	0.16	0.87	50	870	69	14 760	1 482.9	1967	83 12 - ABAND 80 04
8	114.30	0.074	0.16	0.83	60	849	72	15 130	1 563.3	1967	82 12 - SUSP 83 12
17	47.46	0.070	0.12	0.80	71	834	79	14 790	1 512.1	1967	86 12 - SUSP 85 10
32	50.90	0.071	0.12	0.85	52	849	71	14 480	1 492.9	1967	82 12 - GPP
17	32.92	0.085	0.24	0.88	35	870	71	14 310	1 464.3	1967	75 06 - GPP
141	42.06	0.047	0.28	0.87	36	865	74	14 200	1 460.9	1966	74 09 - GPP
22	28.22	0.050	0.25	0.83	59	865	75	14 450	1 509.7	1967	68 05 - SUSP 68 08
7	91.20	0.100	0.10	0.83	66	865	72	13 952	1 549.6	1967	87 05
17	23.40	0.050	0.24	0.84	54	865	71	13 760	1 421.9	1966	81 12 - GPP
20	33.53	0.050	0.20	0.86	46	865	72	13 800	1 444.8	1967	83 12 - GPP
130	25.60	0.036	0.32	0.83	48	865	72	14 070	1 488.0	1967	68 05 - SUSP 68 05
18	52.56	0.058	0.20	0.82	64	865	71	13 900	1 500.2	1966	86 12 - GPP
35	47.88	0.087	0.19	0.88	35	860	71	14 820	1 497.8	1967	82 12 - GPP
5	104.21	0.074	0.17	0.85	54	855	68	14 620	1 523.1	1967	75 12 - GPP
9	24.23	0.100	0.17	0.89	30	876	68	14 200	1 449.6	1967	69 09 - GPP
17	90.09	0.079	0.16	0.86	42	860	69	14 890	1 496.6	1967	81 01 - GPP
15	30.00	0.060	0.15	0.87	38	870	70	14 690	1 464.6	1967	85 12 - GPP
25	58.00	0.074	0.18	0.81	65	834	77	15 030	1 527.0	1967	70 06 - GPP
64	30.70	0.030	0.35	0.83	63	865	71	13 790	1 440.2	1967	83 12 - ABAND 87 02
28	23.79	0.046	0.24	0.82	69	876	66	13 760	1 434.1	1967	83 12 - GPP
18	34.14	0.080	0.25	0.83	33	881	69	13 690	1 433.2	1967	84 09 - GPP
12	36.27	0.081	0.12	0.84	62	865	61	13 870	1 446.9	1967	75 08 - SUSP 84 06
11	74.83	0.085	0.12	0.81	73	855	72	14 520	1 512.4	1967	82 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER AA	191.0	0.30		57.3		57.3	54.9	2.4
KEG RIVER BB	238.0	0.35		83.3		83.3	56.0	27.3
KEG RIVER CC	795.0	0.25	0.12	199.0	95.4	294.0	269.4	24.6
WATER FLOOD								
KEG RIVER DD	324.0	<0.08		24.4		24.4	24.4	
KEG RIVER EE	1 030.0	0.25		258.0		258.0	214.5	43.5
KEG RIVER FF	1 270.0	0.30		381.0		381.0	320.6	60.4
KEG RIVER GG	953.0	0.08	0.03	76.2	28.6	105.0	99.2	5.8
WATER FLOOD								
KEG RIVER HH	155.0	0.25		38.8		38.8	33.3	5.5
KEG RIVER II	280.0	0.10		28.0		28.0	12.8	15.2
KEG RIVER JJ	110.0	0.30		33.0		33.0	28.8	4.2
KEG RIVER KK	176.0	0.25	0.15	44.0	26.4	70.4	47.7	22.7
WATER FLOOD								
KEG RIVER LL	150.0	0.35		52.5		52.5	42.3	10.2
KEG RIVER MM	345.0	<0.01		2.6		2.6	2.6	
KEG RIVER NN	636.0	0.25		159.0		159.0	121.3	37.7
KEG RIVER OO	148.0	0.40		59.2		59.2	49.2	10.0
KEG RIVER PP	763.0	0.42		321.0		321.0	170.8	150.2
KEG RIVER QQ	350.0	0.30		105.0		105.0	78.5	26.5
KEG RIVER RR	795.0	0.08		63.6		63.6	56.3	7.3
KEG RIVER SS	222.0	0.35		77.9		77.9	63.5	14.4
KEG RIVER TT	400.0	0.25	0.10	100.0	40.0	140.0	115.8	24.2
WATER FLOOD								
KEG RIVER UU	141.0	<0.15		20.5		20.5	20.5	
KEG RIVER VV	1 350.0	0.41		555.0		555.0	366.6	188.4
KEG RIVER WW	318.0	0.20		63.6		63.6	56.6	7.0
KEG RIVER XX	477.0	0.25		119.0		119.0	90.8	28.2
KEG RIVER YY	663.0	0.25	0.05	165.0	33.2	198.0	55.3	142.7
WATER FLOOD								
KEG RIVER ZZ	238.0	<0.24		54.9		54.9	54.9	
KEG RIVER AAA	556.0	0.35		195.0		195.0	158.7	36.3
KEG RIVER BBB	207.0	0.34	0.12	70.2	24.8	95.0	64.7	30.3
WATER FLOOD								
KEG RIVER CCC	477.0	<0.01		2.8		2.8	2.8	
KEG RIVER DDD	318.0	0.30		95.3		95.3	64.2	31.1
KEG RIVER EEE	318.0	0.12		38.1		38.1	31.9	6.2
KEG RIVER FFF	169.0	0.25		42.3		42.3	23.3	19.0
KEG RIVER GGG	64.2	<0.19		12.0		12.0	12.0	
KEG RIVER HHH	318.0	<0.13		38.4		38.4	38.4	
KEG RIVER III	230.0	0.25		57.5		57.5	53.9	3.6
KEG RIVER JJJ	477.0	0.36		172.0		172.0	149.5	22.5
KEG RIVER KKK	397.0	0.20		79.4		79.4	67.3	12.1
KEG RIVER LLL	165.0	<0.10		15.1		15.1	15.1	
KEG RIVER MMM	500.0	0.40		200.0		200.0	132.0	68.0
KEG RIVER NNN	588.0	0.35		207.0		207.0	146.7	60.3
KEG RIVER OOO	524.0	0.10		52.4		52.4	45.7	6.7
KEG RIVER PPP	213.0	0.25		53.2		53.2	38.3	14.9
KEG RIVER QQQ	397.0	<0.11		42.2		42.2	42.2	
KEG RIVER RRR	636.0	0.20		127.0		127.0	121.9	5.1
KEG RIVER SSS	79.5	<0.22		17.3		17.3	17.3	
KEG RIVER TTT	127.0	0.35	0.12	44.5	15.3	59.8	48.3	11.5
WATER FLOOD								
KEG RIVER VVV	443.0	0.15		66.4	ERSO	66.4	47.3	19.1
KEG RIVER WWW	393.0	0.20		78.6		78.6	25.7	52.9
KEG RIVER XXX	477.0	<0.08		34.8		34.8	34.8	
KEG RIVER YYY	264.0	0.35		92.4		92.4	80.6	11.8
KEG RIVER ZZZ	238.0	<0.13		29.2		29.2	29.2	
KEG RIVER A2A	341.0	0.35		119.0		119.0	96.7	22.3
KEG RIVER B2B	795.0	0.35		278.0		278.0	204.2	73.8
KEG RIVER C2C	165.0	<0.21		34.1		34.1	34.1	
KEG RIVER E2E	313.0	0.30		93.9		93.9	58.9	35.0
KEG RIVER F2F	310.0	<0.07		21.4		21.4	21.4	
KEG RIVER G2G	960.0	<0.13		122.0		122.0	122.0	
KEG RIVER H2H	305.0	<0.04		10.3		10.3	10.3	
KEG RIVER I2I	197.0	<0.24		46.1		46.1	46.1	
KEG RIVER J2J	286.0	0.30		85.8		85.8	65.9	19.9
KEG RIVER K2K	477.0	<0.02		6.5		6.5	6.5	
KEG RIVER L2L	143.0	<0.10		13.7		13.7	13.7	
KEG RIVER M2M	354.0	0.35		124.0		124.0	95.2	28.8
KEG RIVER N2N	461.0	0.30		138.0		138.0	128.2	9.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
7	53.07	0.070	0.18	0.86	43	870	68	14 030	1 495.7	1967	81 12
33	30.30	0.040	0.30	0.85	76	865	72	13 760	1 553.0	1967	83 12 - GPP
13	95.10	0.087	0.12	0.86	45	860	76	14 890	1 565.5	1967	82 12 - GPP
15	48.13	0.061	0.20	0.90	35	887	63	13 810	1 419.5	1967	86 12 - SUSP 86 01
33	56.11	0.070	0.12	0.89	30	865	69	14 450	1 460.9	1967	82 12 - GPP
28	87.17	0.071	0.11	0.83	58	839	78	15 170	1 529.2	1967	77 10 - GPP
55	41.92	0.060	0.17	0.83	63	865	73	14 380	1 485.6	1967	83 12 - GPP
21	42.43	0.030	0.30	0.83	60	860	71	13 790	1 469.7	1967	86 12 - GPP
22	25.30	0.074	0.15	0.80	74	849	78	13 930	1 561.2	1967	85 12 - GPP
15	29.30	0.042	0.30	0.85	35	865	71	13 790	1 452.4	1967	85 07 - GPP
4	86.87	0.065	0.11	0.87	45	865	71	14 510	1 538.3	1967	82 12 - GPP
7	25.32	0.100	0.08	0.92	26	881	64	14 030	1 428.0	1967	83 12 - SUSP 86 08
64	6.10	0.140	0.11	0.71	156	825	81	14 910	1 524.0	1967	85 12 - SUSP 84 02
20	36.97	0.120	0.08	0.77	88	829	76	15 130	1 553.0	1967	82 12 - SUSP 83 08
16	46.33	0.043	0.25	0.62	215	829	76	15 130	1 555.1	1967	85 08
15	97.11	0.074	0.10	0.81	72	829	80	15 410	1 550.5	1967	70 06 - GPP
13	53.64	0.073	0.11	0.80	72	829	78	14 820	1 536.5	1967	75 12 - GPP
57	31.39	0.063	0.15	0.83	64	865	71	13 510	1 451.5	1967	83 12 - GPP
3	113.60	0.080	0.11	0.85	53	855	72	14 940	1 528.6	1967	68 01 - GPP
23	43.30	0.055	0.14	0.85	49	865	73	13 790	1 479.2	1967	87 08
21	28.74	0.039	0.30	0.84	59	865	70	13 790	1 598.1	1967	86 12 - SUSP 85 07
26	91.74	0.075	0.10	0.83	58	855	77	14 930	1 509.4	1967	70 06
16	45.11	0.055	0.13	0.90	32	898	63	14 170	1 443.5	1967	84 12 - GPP
13	67.30	0.071	0.11	0.84	71	860	71	14 790	1 501.4	1967	82 12 - GPP
26	60.96	0.060	0.15	0.81	71	844	71	14 620	1 521.6	1967	70 02 - GPP - IS NO 9
24	20.95	0.110	0.12	0.49	331	811	77	15 370	1 551.1	1967	83 12 - SUSP 81 07
10	108.81	0.074	0.10	0.79	74	834	79	14 960	1 583.1	1967	75 12 - GPP
3	99.36	0.105	0.13	0.83	57	855	80	14 690	1 565.8	1967	75 07 - GPP
72	17.37	0.065	0.28	0.81	65	860	76	14 240	1 573.4	1967	70 09 - WTR INJ 69 01
9	58.83	0.076	0.15	0.90	33	881	67	14 170	1 468.2	1967	70 07 - GPP
21	36.27	0.064	0.22	0.85	52	865	70	13 380	1 443.8	1967	75 12 - GPP
6	47.64	0.085	0.20	0.87	35	865	71	13 650	1 454.7	1967	83 12 - SUSP 86 11
3	82.20	0.045	0.35	0.89	45	860	83	14 340	1 524.6	1967	69 01 - SUSP 85 12
10	37.80	0.115	0.10	0.83	59	860	72	13 550	1 470.8	1967	82 12 - SUSP 82 03
10	43.20	0.080	0.25	0.89	38	881	64	14 000	1 427.7	1967	83 12 - GPP
21	45.14	0.070	0.20	0.88	30	865	72	14 550	1 451.5	1967	70 06
7	101.50	0.080	0.11	0.83	45	855	78	14 690	1 558.7	1967	85 12 - GPP
17	36.27	0.046	0.30	0.83	62	865	69	13 200	1 471.6	1967	76 01 - SUSP 75 10
12	86.52	0.070	0.20	0.86	47	865	69	14 890	1 484.4	1967	82 10 - GPP
17	69.49	0.073	0.15	0.80	72	844	80	15 690	1 532.2	1967	69 01 - GPP
19	50.35	0.074	0.19	0.93	28	881	67	13 930	1 453.9	1967	82 12 - GPP
19	42.15	0.040	0.20	0.83	60	860	71	13 270	1 465.8	1967	70 02 - GPP
34	49.71	0.040	0.30	0.85	49	865	71	13 170	1 466.4	1967	82 12 - SUSP 80 10
20	70.26	0.077	0.17	0.70	145	829	73	15 200	1 548.7	1967	75 12 - GPP
6	24.69	0.080	0.25	0.83	41	860	73	14 650	1 547.2	1967	86 12 - SUSP 85 12
4	53.95	0.080	0.10	0.87	43	865	73	14 310	1 516.7	1967	69 01 - GPP
23	45.45	0.063	0.19	0.83	67	855	71	13 310	1 464.7	1967	70 02 - GPP
17	37.73	0.080	0.15	0.90	34	887	63	13 890	1 417.3	1968	86 09
21	57.30	0.059	0.23	0.87	42	881	67	13 580	1 460.6	1968	86 12 - SUSP 85 05
12	42.03	0.074	0.16	0.86	43	876	71	13 450	1 449.9	1968	84 12
20	22.80	0.070	0.17	0.90	28	881	63	14 170	1 426.9	1968	86 12 - SUSP 85 11
35	25.09	0.060	0.20	0.81	74	849	71	13 450	1 462.0	1968	85 12
17	53.04	0.120	0.15	0.85	56	855	68	14 640	1 490.2	1968	69 04 - GPP
17	40.87	0.040	0.25	0.81	71	860	71	12 820	1 474.6	1968	84 12 - SUSP 83 09
16	30.48	0.085	0.17	0.90	32	904	63	13 670	1 417.3	1968	70 02 - GPP
23	36.79	0.055	0.24	0.86	46	865	68	13 650	1 443.5	1968	74 12 - SUSP 74 09
28	57.42	0.085	0.13	0.81	71	844	76	14 190	1 510.3	1968	83 07 - SUSP 85 03
15	38.10	0.078	0.17	0.85	52	865	70	13 580	1 448.1	1968	74 12 - SUSP 74 10
18	27.10	0.065	0.20	0.77	95	825	80	14 760	1 557.2	1968	70 02 - SUSP 85 10
14	31.39	0.087	0.14	0.86	47	870	69	14 450	1 487.4	1968	69 03 - GPP
63	19.57	0.054	0.20	0.89	37	892	61	13 650	1 413.1	1968	73 02 - SUSP 72 04
16	38.10	0.040	0.30	0.83	66	865	68	12 650	1 453.0	1968	78 10 - SUSP 75 11
13	47.64	0.075	0.15	0.90	38	881	61	13 930	1 436.8	1968	70 02 - GPP
12	57.82	0.094	0.15	0.85	59	860	68	14 380	1 459.4	1968	70 02 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER O2O	159.0	0.20		31.8		31.8	30.0	1.8
KEG RIVER P2P	350.0	0.30		105.0		105.0	82.8	22.2
KEG RIVER Q2Q	364.0	<0.12		42.7		42.7	42.7	
KEG RIVER R2R	255.0	0.30		76.5		76.5	16.7	59.8
KEG RIVER S2S	350.0	0.25		87.5		87.5	83.2	4.3
KEG RIVER T2T	91.9	0.25		23.0		23.0	17.1	5.9
KEG RIVER U2U	429.0	<0.16		66.3		66.3	66.3	
KEG RIVER V2V	124.0	0.20		24.8		24.8	8.8	16.0
KEG RIVER W2W	165.0	0.25		41.3		41.3	30.6	10.7
KEG RIVER X2X WATER FLOOD	547.0	0.32	0.23	175.0	126.0	301.0	238.7	62.3
KEG RIVER Y2Y	79.5	<0.02		1.0		1.0	1.0	
KEG RIVER Z2Z	477.0	0.20		95.4		95.4	75.6	19.8
KEG RIVER A3A	318.0	<0.12		37.8		37.8	37.8	
KEG RIVER B3B	251.0	<0.06		14.3		14.3	14.3	
KEG RIVER C3C	111.0	<0.23		25.3		25.3	25.3	
KEG RIVER D3D	257.0	0.30		77.2		77.2	64.2	13.0
KEG RIVER F3F	420.0	0.12		50.4		50.4	40.8	9.6
KEG RIVER G3G	106.0	0.15		15.9		15.9	7.4	8.5
KEG RIVER H3H	218.0	0.40		87.2		87.2	38.6	48.6
KEG RIVER I3I WATER FLOOD	636.0	0.15	0.10	95.4	63.6	159.0	120.1	38.9
KEG RIVER J3J	222.0	0.12		26.7		26.7	26.7	
KEG RIVER K3K WATER FLOOD	207.0	0.20	0.10	41.3	20.7	62.0	58.3	3.7
KEG RIVER L3L WATER FLOOD	159.0	0.20	0.15	31.8	23.9	55.7	47.4	8.3
KEG RIVER M3M	318.0	<0.03		8.2		8.2	8.2	
KEG RIVER N3N	302.0	<0.24		70.5		70.5	70.5	
KEG RIVER O3O	240.0	<0.06		13.9		13.9	13.9	
KEG RIVER P3P	477.0	0.23		110.0		110.0	78.3	31.7
KEG RIVER Q3Q	267.0	0.15		40.0		40.0	30.5	9.5
KEG RIVER R3R	306.0	0.35		107.0		107.0	75.2	31.8
KEG RIVER S3S	222.0	0.35		77.7		77.7	68.3	9.4
KEG RIVER T3T	243.0	<0.07		15.2		15.2	15.2	
KEG RIVER U3U	20.5	<0.26		5.3		5.3	5.3	
KEG RIVER W3W WATER FLOOD	524.0	0.26	0.09	136.0	47.2	183.0	149.0	34.0
KEG RIVER X3X	253.0	<0.02		3.9		3.9	3.9	
KEG RIVER Y3Y	238.0	<0.06		12.2		12.2	12.2	
KEG RIVER Z3Z	477.0	0.35		167.0		167.0	136.0	31.0
KEG RIVER A4A	47.7	<0.01		0.4		0.4	0.4	
KEG RIVER B4B	63.6	<0.18		11.3		11.3	11.3	
KEG RIVER C4C	323.0	<0.13		41.0		41.0	41.0	
KEG RIVER D4D	140.0	<0.11		15.0		15.0	15.0	
KEG RIVER E4E	415.0	0.12		49.8		49.8	42.2	7.6
KEG RIVER F4F	79.5	0.25		19.9		19.9	16.7	3.2
KEG RIVER G4G	370.0	<0.09		30.6		30.6	30.6	
KEG RIVER H4H	381.0	0.15		57.2		57.2	48.1	9.1
KEG RIVER I4I	222.0	<0.18		38.1		38.1	38.1	
KEG RIVER J4J	397.0	<0.03		9.5		9.5	9.5	
KEG RIVER K4K	159.0	0.20		31.8		31.8	27.5	4.3
KEG RIVER L4L	466.0	0.35		163.0		163.0	133.7	29.3
KEG RIVER M4M	210.0	0.20		42.0		42.0	13.9	28.1
KEG RIVER N4N	191.0	0.20		38.2		38.2	29.4	8.8
KEG RIVER O4O	143.0	<0.13		18.3		18.3	18.3	
KEG RIVER P4P	159.0	0.35		55.6		55.6	43.3	12.3
KEG RIVER Q4Q	143.0	<0.14		19.5		19.5	19.5	
KEG RIVER R4R	267.0	0.07		18.7		18.7	18.7	
KEG RIVER S4S	270.0	0.08		21.6		21.6	18.4	3.2
KEG RIVER T4T	318.0	0.40		127.0		127.0	104.5	22.5
KEG RIVER U4U	318.0	0.35		111.0		111.0	84.1	26.9
KEG RIVER V4V	95.3	<0.12		10.7		10.7	10.7	
KEG RIVER W4W	95.3	0.30		28.6		28.6	22.3	6.3
KEG RIVER X4X	424.0	0.15		63.6		63.6	37.3	26.3
KEG RIVER Y4Y	26.8	0.30		8.0		8.0	7.0	1.0
KEG RIVER Z4Z	232.0	<0.09		20.3		20.3	20.3	
KEG RIVER A5A	874.0	0.20		175.0		175.0	118.7	56.3
KEG RIVER B5B	159.0	<0.13		20.1		20.1	20.1	
KEG RIVER C5C	259.0	0.40		104.0		104.0	57.1	46.9
KEG RIVER D5D	300.0	0.35		105.0		105.0	41.8	63.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
15	15.67	0.100	0.14	0.79	84	870	73	14 590	1 525.8	1968	71 06 - GPP
11	47.85	0.094	0.16	0.88	38	865	69	14 000	1 449.6	1968	71 07 - GPP
17	70.90	0.045	0.20	0.82	66	860	74	11 650	1 492.9	1968	82 12 - SUSP 80 10
17	29.80	0.080	0.12	0.72	115	825	66	14 960	1 560.9	1968	84 09
6	91.44	0.080	0.11	0.83	50	870	77	14 300	1 537.1	1968	86 12 - GPP
7	22.34	0.075	0.11	0.88	35	867	67	13 280	1 474.6	1968	83 12
10	53.77	0.105	0.13	0.90	26	876	68	13 880	1 451.5	1968	79 06 - SUSP 78 02
13	24.90	0.060	0.25	0.85	55	865	71	13 130	1 434.4	1968	85 04 - GPP
15	32.95	0.054	0.25	0.83	59	865	70	11 510	1 463.3	1968	84 12 - GPP
34	31.21	0.075	0.13	0.80	78	844	76	12 580	1 494.1	1968	84 12 - GPP - IS NO 9
5	21.58	0.110	0.30	0.87	48	860	71	11 910	1 521.9	1968	69 11 - SUSP 69 10
17	30.23	0.120	0.15	0.91	26	887	64	13 490	1 428.6	1968	83 12
35	29.50	0.045	0.20	0.86	53	865	72	13 530	1 454.2	1967	82 12 - SUSP 84 08
17	36.27	0.060	0.20	0.85	52	865	70	12 310	1 454.5	1968	74 12 - ABAND 79 01
8	25.27	0.078	0.20	0.88	35	887	71	14 210	1 498.7	1968	83 12 - SUSP 81 01
16	35.17	0.065	0.15	0.84	59	860	74	14 020	1 459.4	1969	70 09 - GPP
15	28.83	0.120	0.10	0.90	39	898	61	12 940	1 400.9	1969	87 12 - GPP
11	16.95	0.075	0.15	0.90	34	887	63	13 500	1 406.7	1969	86 12 - GPP
5	91.74	0.070	0.21	0.86	46	865	71	15 090	1 535.0	1969	84 09 - GPP
53	30.36	0.060	0.20	0.83	63	865	72	13 000	1 433.2	1968	86 12 - GPP
8	31.21	0.122	0.13	0.83	63	860	71	13 670	1 456.3	1967	83 12 - WTR DISP 75 07
8	43.74	0.079	0.12	0.84	61	865	71	13 700	1 454.5	1967	75 08 - GPP
12	37.83	0.052	0.18	0.84	55	865	71	13 330	1 442.9	1967	86 12 - GPP
19	24.78	0.090	0.12	0.87	35	865	71	13 460	1 435.9	1969	70 01 - SUSP 71 09
10	58.30	0.071	0.11	0.82	62	865	69	13 460	1 501.7	1969	84 12 - SUSP 84 12
9	55.41	0.079	0.25	0.82	71	855	68	13 410	1 476.8	1968	77 04 - SUSP 77 01
10	80.13	0.092	0.18	0.78	78	855	72	14 620	1 583.1	1968	82 12 - SUSP 86 03
16	42.98	0.065	0.27	0.83	57	870	71	12 350	1 435.6	1969	73 05 - GPP
12	44.10	0.080	0.15	0.85	56	860	67	13 800	1 451.5	1969	87 12
11	23.16	0.112	0.12	0.86	52	887	77	13 650	1 481.3	1969	83 12 - GPP
14	65.53	0.045	0.23	0.76	94	834	73	14 910	1 533.8	1969	75 12 - SUSP 74 10
1	35.90	0.079	0.16	0.86	46	860	71	9 360	1 500.2	1969	73 02 - SUSP 72 05
7	73.00	0.139	0.09	0.78	85	855	69	13 400	1 520.3	1969	82 12 - GPP
6	65.84	0.092	0.17	0.84	60	854	71	8 560	1 524.0	1969	86 12 - SUSP 85 12
12	50.17	0.055	0.20	0.89	30	881	70	13 380	1 473.1	1969	74 12 - SUSP 74 07
15	58.95	0.086	0.15	0.76	94	829	79	15 010	1 522.5	1969	86 12 - GPP
11	9.69	0.068	0.15	0.81	60	855	71	13 110	1 639.5	1969	70 10 - SUSP 70 01
5	26.97	0.077	0.25	0.84	58	855	77	15 180	1 639.5	1969	78 07 - ABAND 85 07
14	44.84	0.080	0.17	0.79	89	860	71	13 450	1 510.9	1969	82 12 - SUSP 83 04
13	32.34	0.050	0.20	0.81	69	860	69	12 820	1 477.4	1968	70 02 - ABAND 72 05
20	30.48	0.090	0.15	0.88	35	870	69	11 420	1 449.6	1970	86 06 - GPP
19	23.16	0.030	0.30	0.86	46	865	72	13 730	1 448.1	1967	85 08
7	68.12	0.100	0.10	0.88	35	860	67	12 470	1 469.7	1971	81 12 - SUSP 84 04
14	45.42	0.084	0.18	0.90	29	898	59	12 910	1 428.3	1971	86 12 - GPP
12	41.45	0.065	0.22	0.90	38	887	62	13 370	1 414.9	1971	86 12 - SUSP 84 04
10	44.50	0.110	0.09	0.89	41	898	62	12 410	1 424.6	1971	76 06 - WTR DISP 75 11
12	31.09	0.060	0.18	0.89	41	898	62	12 240	1 420.4	1971	82 12 - GPP
30	30.48	0.069	0.12	0.84	61	855	70	13 220	1 525.8	1971	83 12
11	56.28	0.061	0.33	0.83	64	855	81	13 510	1 547.8	1971	81 09 - SUSP 85 09
7	39.81	0.086	0.15	0.90	35	881	61	9 410	1 423.4	1971	82 12 - GPP
9	26.67	0.075	0.12	0.90	35	898	61	23 310	1 416.4	1971	83 12 - SUSP 84 10
6	39.35	0.085	0.13	0.90	35	892	61	13 820	1 414.6	1971	72 09
10	22.82	0.080	0.12	0.89	36	887	63	13 510	1 420.7	1971	83 12 - SUSP 83 04
9	38.71	0.100	0.10	0.90	35	904	61	13 450	1 419.1	1971	82 12 - SUSP 80 03
10	31.09	0.120	0.17	0.90	36	887	62	21 860	1 418.5	1972	87 12 - GPP
7	88.70	0.075	0.11	0.78	83	829	77	15 750	1 547.5	1971	75 05 - GPP
21	24.78	0.080	0.11	0.84	59	855	69	12 460	1 486.2	1972	84 12
4	73.75	0.047	0.21	0.87	47	849	72	14 210	1 510.9	1972	81 08 - SUSP 82 07
3	45.54	0.100	0.15	0.87	47	876	71	14 650	1 481.6	1972	75 04 - GPP
12	52.55	0.090	0.10	0.85	60	865	45	7 490	1 519.7	1972	82 12
2	39.32	0.050	0.18	0.83	58	829	74	15 880	1 561.2	1972	86 12 - GPP
25	24.99	0.055	0.12	0.78	89	834	72	13 610	1 550.5	1971	73 11 - SUSP 85 02
15	77.54	0.099	0.08	0.85	53	876	69	12 270	1 454.5	1973	86 12 - GPP
7	55.47	0.065	0.16	0.78	89	811	82	14 710	1 553.0	1973	86 12 - SUSP 86 01
7	44.81	0.105	0.09	0.88	27	876	69	5 320	1 444.6	1974	75 04
11	52.80	0.075	0.14	0.80	71	825	88	14 890	1 581.3	1974	83 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER E5E	425.0	<0.01		0.1		0.1	0.1	
KEG RIVER F5F	181.0	0.20		36.2		36.2	9.4	26.8
KEG RIVER G5G	350.0	0.10		35.0		35.0	16.1	18.9
KEG RIVER H5H	267.0	0.01		2.7		2.7	1.7	1.0
KEG RIVER I5I	322.0	0.20		64.4		64.4	42.0	22.4
KEG RIVER J5J	340.0	0.10		34.0		34.0	12.4	21.6
KEG RIVER K5K	612.0	<0.01		4.2		4.2	4.2	
KEG RIVER L5L	285.0	0.35		100.0		100.0	26.5	73.5
KEG RIVER M5M	223.0	0.20		44.6		44.6	8.6	36.0
KEG RIVER N5N	233.0	0.25		58.3		58.3	15.3	43.0
KEG RIVER O5O	206.0	0.15		30.9		30.9	3.3	27.6
KEG RIVER P5P	3 730.0	0.20		746.0		746.0	25.3	720.7
KEG RIVER Q5Q	1 640.0	0.30		492.0		492.0	8.7	483.3
KEG RIVER R5R	485.0	<0.01		4.4		4.4	4.4	
KEG RIVER S5S	317.0	0.25		79.3		79.3	11.5	67.8
KEG RIVER T5T	694.0	<0.01		1.5		1.5	1.5	
KEG RIVER U5U	649.0	0.20		130.0		130.0	9.2	120.8
KEG RIVER V5V	1 580.0	0.20		316.0		316.0	6.9	309.1
KEG RIVER W5W	260.0	0.15		39.0		39.0	11.5	27.5
KEG RIVER X5X	150.0	0.25		37.5		37.5	10.8	26.7
KEG RIVER Y5Y	300.0	0.30		90.0		90.0	20.9	69.1
KEG RIVER Z5Z	283.0	0.30		84.9		84.9	17.0	67.9
KEG RIVER A6A	215.0	0.30		64.5		64.5	13.1	51.4
KEG RIVER B6B	85.1	<0.04		3.1		3.1	3.1	
KEG RIVER C6C	186.0	<0.02		3.1		3.1	3.1	
KEG RIVER D6D	236.0	0.15		35.4		35.4	1.9	33.5
KEG RIVER E6E	350.0	0.30		105.0		105.0	17.2	87.8
KEG RIVER F6F	271.0	0.25		67.8		67.8	11.5	56.3
KEG RIVER G6G	190.0	0.25		47.5		47.5	5.2	42.3
KEG RIVER H6H	301.0	0.25		75.3		75.3	2.1	73.2
KEG RIVER I6I	730.0	0.30		219.0		219.0	15.9	203.1
KEG RIVER J6J	150.0	0.05		7.5		7.5	3.2	4.3
KEG RIVER K6K	140.0	0.20		28.0		28.0	4.1	23.9
KEG RIVER L6L	117.0	0.15		17.6		17.6	1.1	16.5
KEG RIVER N6N	500.0	0.25		122.5		122.5	14.3	108.2
KEG RIVER O6O	250.0	0.25		62.5		62.5	6.7	55.8
KEG RIVER P6P	455.0	0.25		114.0		114.0	12.7	101.3
KEG RIVER O6O WATER FLOOD	251.0	0.25	0.10	62.8	25.1	87.9	84.3	3.6
KEG RIVER R6R	130.0	0.25		33.0		33.0	7.3	25.7
KEG RIVER S6S	400.0	0.20		80.0		80.0	4.3	75.7
KEG RIVER T6T	300.0	0.25		75.0		75.0	5.0	70.0
UNDEFINED AND CONFIDENTIAL POOLS	181 590.9			28 950.0		28 950.0	2 799.9	26 590.2
TOTAL LIGHT-MEDIUM CRUDE OIL	6 656 784.2			1 425 573.4	623 867.5	2 049 439.7	1 486 528.1	563 351.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	17.32	0.060	0.23	0.83	69	860	56	13 540	1 467.0	1978	82 12 - SUSP 79 04
64	9.00	0.050	0.25	0.84	50	861	60	13 550	1 608.5	1978	79 08 - GPP
40	20.50	0.060	0.20	0.89	52	879	80	13 445	1 451.3	1981	86 12 - GPP
8	75.50	0.070	0.20	0.79	76	855	66	13 509	1 487.1	1981	83 12 - GPP
8	67.55	0.100	0.15	0.70	120	842	81	11 760	1 553.1	1981	83 12 - GPP
19	51.30	0.050	0.16	0.83	62	860	51	12 885	1 508.8	1982	86 12 - GPP
64	28.50	0.050	0.14	0.78	83	831	78	14 984	1 586.8	1982	86 12 - SUSP 85 04
13	26.00	0.120	0.21	0.89	36	894	61	6 135	1 435.0	1982	84 06
16	23.00	0.080	0.15	0.89	36	911	61	12 819	1 406.5	1983	85 07
40	15.26	0.050	0.08	0.83	60	853	73	13 682	1 527.0	1983	86 06
25	17.60	0.060	0.12	0.89	31	906	66	13 650	1 412.4	1983	85 07
64	55.00	0.140	0.10	0.84	55	32	71	13 965	1 456.6	1984	84 08
64	68.70	0.060	0.25	0.83	60	830	71	13 640	1 500.0	1984	84 08 - GPP
64	21.00	0.050	0.18	0.88	42	854	69	15 891	1 567.5	1984	84 08 - ABAND 86 09
8	54.60	0.100	0.15	0.83	58	858	74	14 475	1 629.7	1983	86 03 - SUSP 86 11
64	17.50	0.080	0.10	0.86	43	881	66	13 503	1 512.0	1983	86 12 - SUSP 85 06
64	29.80	0.050	0.16	0.81	73	856	69	14 900	1 533.8	1983	84 11
64	37.75	0.080	0.12	0.93	51	874	77	14 316	1 470.8	1983	84 11 - GPP
64	16.60	0.035	0.22	0.90	32	901	52	13 447	1 425.7	1983	85 01
14	38.40	0.050	0.32	0.82	39	864	71	10 438	1 590.4	1984	86 01
35	25.27	0.047	0.18	0.88	42	858	69	10 654	1 462.2	1984	86 06
19	32.10	0.065	0.14	0.83	74	865	70	13 676	1 458.4	1984	86 06
30	23.70	0.043	0.10	0.78	89	855	71	13 699	1 528.7	1984	86 05
38	16.05	0.023	0.26	0.82	64	863	71	13 328	1 449.0	1984	86 06 - ABAND 86 03
21	28.99	0.046	0.18	0.81	73	856	69	15 076	1 571.9	1984	86 06 - SUSP 86 01
36	16.91	0.055	0.13	0.81	73	846	69	13 133	1 547.2	1984	86 06 - SUSP 86 09
6	51.90	0.150	0.12	0.85	49	865	65	13 473	1 471.3	1985	86 04
22	27.76	0.060	0.15	0.87	38	882	73	10 498	1 621.5	1985	86 06
17	35.87	0.047	0.22	0.85	49	878	73	13 120	1 555.0	1985	86 06
64	16.50	0.046	0.27	0.85	51	885	66	12 389	1 424.3	1972	85 11 - SUSP 86 07
17	75.11	0.083	0.18	0.84	55	865	71	12 544	1 479.8	1985	86 06
22	27.65	0.046	0.33	0.80	84	869	73	15 424	1 602.4	1985	87 12
8	31.57	0.070	0.10	0.88	33	878	69	13 072	1 428.6	1985	87 01
64	8.50	0.040	0.35	0.83	55	823	62	13 279	1 473.3	1985	86 06
28	30.60	0.080	0.15	0.86	41	855	70	14 107	1 575.0	1986	87 02
26	23.46	0.064	0.18	0.78	79	834	79	13 476	1 579.5	1986	86 09
28	35.42	0.062	0.16	0.88	34	850	72	14 288	1 543.8	1986	86 10
11	59.00	0.059	0.20	0.82	64	865	71	13 160	1 485.9	1967	86 12 - GPP
16	23.00	0.050	0.14	0.82	64	865	71	14 728	1 495.5	1967	86 12
17	37.01	0.086	0.16	0.88	33	881	69	14 764	1 491.3	1986	87 02
19	32.63	0.072	0.20	0.84	54	868	71	13 941	1 439.3	1986	87 02

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ALDERSON O15-11W4								
UPPER MANNVILLE A	107.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B	154.0	0.10		15.4		15.4	10.6	4.8
UPPER MANNVILLE C	455.0	0.15		68.3		68.3	31.8	36.5
UPPER MANNVILLE D	1 100.0	0.12		132.0	ERSO	132.0	107.2	24.8
UPPER MANNVILLE F	205.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	928.0	<0.01		1.7		1.7	1.7	
UPPER MANNVILLE I	376.0	0.04		15.0		15.0	10.8	4.2
UPPER MANNVILLE J	289.0	0.05		14.5		14.5	8.9	5.6
UPPER MANNVILLE L	180.0	0.10		18.0		18.0	13.8	4.2
UPPER MANNVILLE R WATER FLOOD	575.0	0.15	0.15	86.3	86.2	173.0	87.3	85.7
UPPER MANNVILLE S WATER FLOOD	500.0	0.10	0.13	50.0	65.0	115.0	58.4	56.6
UPPER MANNVILLE T	186.0	0.10		18.6		18.6	12.2	6.4
UPPER MANNVILLE U	213.0	0.05		10.7		10.7	8.2	2.5
UPPER MANNVILLE Y	599.0	0.10		59.9		59.9	43.7	16.2
UPPER MANNVILLE Z WATER FLOOD	1 200.0	0.10	0.20	120.0	240.0	360.0	156.2	203.8
UPPER MANNVILLE AA	147.0	0.10		14.7		14.7	10.6	4.1
UPPER MANNVILLE BB	146.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE CC	99.8	0.15		15.0		15.0	8.2	6.8
UPPER MANNVILLE DD	200.0	0.15		30.0		30.0	12.4	17.6
UPPER MANNVILLE EE	127.4	0.10		12.7		12.7	8.0	4.7
UPPER MANNVILLE GG	105.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE HH	124.0	0.05		6.2		6.2	4.0	2.2
UPPER MANNVILLE KK	276.0	0.10		27.6		27.6	7.6	20.0
UPPER MANNVILLE LL	87.0	0.10		8.7		8.7	6.0	2.7
UPPER MANNVILLE MM	119.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE NN	109.0	0.05		5.4		5.4	1.4	4.0
UPPER MANNVILLE RR	131.0	0.01		1.3		1.3	0.1	1.2
UPPER MANNVILLE SS	600.0	0.10		60.0		60.0	44.4	15.6
UPPER MANNVILLE TT	42.1	0.10		4.2		4.2	2.6	1.6
UPPER MANNVILLE UU	113.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE WW	194.0	0.10		19.4		19.4	3.9	15.5
UPPER MANNVILLE XX	140.0	0.15		21.0		21.0	9.3	11.7
UPPER MANNVILLE YY	1 090.0	0.07		76.3		76.3	49.9	26.4
UPPER MANNVILLE H&ZZ	127.0	<0.01		1.1		1.1	1.1	
UPPER MANNVILLE AAA	65.4	0.10		6.5		6.5	0.7	5.8
UPPER MANNVILLE BBB	25.5	0.12		3.1		3.1	1.5	1.6
UPPER MANNVILLE FFF	100.0	0.10		10.0		10.0		10.0
LOWER MANNVILLE A	626.0	0.20		125.0		125.0	116.9	8.1
LOWER MANNVILLE B	413.0	0.23		95.0	ERSO	95.0	85.7	9.3
LOWER MANNVILLE D	699.0	0.23		160.0	ERSO	160.0	156.6	3.4
LOWER MANNVILLE E	173.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	1 501.0	0.07		105.0		105.0	67.6	37.4
LOWER MANNVILLE H	677.0	0.07		47.4		47.4	35.5	11.9
LOWER MANNVILLE J	817.0	0.05		40.9		40.9	32.8	8.1
LOWER MANNVILLE K	1 330.0	0.10		133.0		133.0	68.6	64.4
LOWER MANNVILLE L	238.0	0.10		23.8		23.8	15.5	8.3
LOWER MANNVILLE M	49.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	84.9	0.10		8.5		8.5	7.3	1.2
LOWER MANNVILLE O	411.0	0.10		41.1		41.1	13.8	27.3
LOWER MANNVILLE P	82.0	0.10		8.2		8.2	0.4	7.8
LOWER MANNVILLE Q	455.0	0.05		22.8		22.8	8.2	14.6
LOWER MANNVILLE R	59.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE S	43.4	0.10		4.3		4.3	2.7	1.6
LOWER MANNVILLE U	111.0	0.10		11.1		11.1	5.6	5.5
LOWER MANNVILLE W	261.0	0.05		13.1		13.1	4.9	8.2
LOWER MANNVILLE X	165.0	0.10		16.5		16.5	7.9	8.6
LOWER MANNVILLE Y	84.2	0.10		8.4		8.4	3.3	5.1
LOWER MANNVILLE Z	288.0	0.10		28.8		28.8	18.1	10.7
LOWER MANNVILLE AA	604.0	0.03		18.1		18.1	2.9	15.2
LOWER MANNVILLE BB	572.0	0.05		28.6		28.6	16.6	12.0
LOWER MANNVILLE CC	185.0	0.15		27.8		27.8	18.6	9.2
LOWER MANNVILLE DD	94.1	0.10		9.4		9.4	1.2	8.2
LOWER MANNVILLE EE	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FF	26.5	0.10		2.7		2.7	1.7	1.0
LOWER MANNVILLE GG	92.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE HH	483.0	0.05		24.2		24.2	6.5	17.7
LOWER MANNVILLE II	68.4	<0.02		0.8		0.8	0.8	
LOWER MANNVILLE JJ	210.0	0.05		10.5		10.5	4.9	5.6
LOWER MANNVILLE KK	243.0	<0.01		0.1		0.1	0.1	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	1.22	0.220	0.30	0.88	41	910	32	11 500	991.8	1970	70 01 - SUSP 70 11
65	1.52	0.240	0.26	0.88	41	946	32	10 900	994.3	1969	87 12 - GPP
253	1.14	0.230	0.22	0.88	50	928	30	11 090	1 014.2	1971	85 12
316	3.00	0.220	0.42	0.91	54	898	33	10 560	952.5	1970	87 02
65	2.44	0.230	0.36	0.88	43	965	32	10 860	987.2	1972	78 03 - SUSP 78 01
65	11.58	0.210	0.33	0.88	53	898	32	11 340	1 021.4	1973	83 12 - SUSP 83 10
170	1.81	0.190	0.27	0.88	50	876	31	10 870	979.9	1973	85 12 - GPP
64	4.31	0.170	0.30	0.88	57	921	31	11 270	1 050.3	1976	85 12
64	2.00	0.200	0.20	0.88	53	865	34	10 955	987.9	1972	83 06
64	5.48	0.230	0.20	0.89	72	890	31	11 030	1 030.1	1978	86 06
60	4.30	0.270	0.17	0.86	99	887	31	11 070	1 027.9	1978	84 03 - GPP
83	1.60	0.210	0.23	0.87	54	887	28	9 970	1 015.7	1979	84 07 - GPP
64	3.00	0.180	0.30	0.88	58	900	30	10 424	1 000.2	1980	80 05
32	10.90	0.260	0.25	0.88	69	882	28	11 315	1 032.9	1980	83 09
117	6.21	0.240	0.15	0.81	39	891	33	11 376	1 024.0	1979	85 02
32	3.40	0.220	0.30	0.88	68	887	34	11 060	1 026.6	1978	81 05
32	3.00	0.220	0.23	0.90	48	925	31	9 698	1 018.0	1980	86 12 - SUSP 81 10
48	1.30	0.230	0.21	0.88	62	897	30	10 650	1 036.0	1980	87 12
90	2.00	0.180	0.30	0.88	45	874	34	10 154	1 011.5	1980	86 12
32	2.00	0.260	0.13	0.88	48	856	32	10 506	1 014.0	1980	81 09
32	3.60	0.160	0.35	0.88	68	888	31	11 483	1 029.4	1980	83 12 - SUSP 81 10
64	1.80	0.170	0.28	0.88	41	904	35	10 833	1 012.9	1974	82 02
96	2.30	0.200	0.29	0.88	49	868	31	11 320	994.4	1981	83 06 - GPP
16	4.00	0.220	0.30	0.88	50	930	32	10 096	995.0	1982	85 12
16	6.50	0.200	0.35	0.88	51	934	32	10 315	965.0	1982	83 06 - SUSP 84 02
16	4.70	0.220	0.25	0.88	52	925	29	10 828	1 026.0	1981	84 02 - GPP
32	4.30	0.180	0.40	0.88	50	888	31	8 190	990.2	1983	85 12
92	6.90	0.150	0.30	0.90	39	885	33	11 108	1 029.7	1979	85 12
16	2.50	0.180	0.35	0.90	39	885	33	11 051	1 023.8	1979	83 12
32	2.00	0.250	0.20	0.88	50	892	29	9 825	1 017.3	1983	86 12 - SUSP 84 10
64	2.57	0.220	0.39	0.88	50	895	28	9 372	963.1	1984	86 04
54	2.72	0.180	0.40	0.88	50	871	30	10 962	974.1	1984	87 12
65	8.23	0.300	0.20	0.85	57	898	32	11 163	1 008.9	1971	87 12 - GPP
64	1.82	0.202	0.40	0.90	27	946	32	11 916	961.8	1974	85 06 - ABAND 85 09
16	3.30	0.210	0.33	0.88	51	921	30	10 510	959.0	1985	85 12
16	1.30	0.200	0.32	0.90	39	888	30	10 975	1 002.4	1985	87 12
16	4.00	0.270	0.34	0.88	35	966	30		920.5	1986	87 10
228	2.56	0.174	0.30	0.88	41	904	32	10 200	924.8	1962	83 12 - GPP
134	2.72	0.210	0.40	0.90	41	904	31	10 430	945.8	1964	83 12 - GPP
298	2.07	0.210	0.40	0.90	41	904	29	10 500	942.1	1964	77 12 - GPP
65	2.74	0.170	0.35	0.88	41	881	32	11 030	1 008.6	1970	71 03 - ABAND 71 10
1 004	3.05	0.250	0.32	0.88	53	876	30	10 490	975.7	1971	87 12 - GPP
65	6.10	0.300	0.35	0.88	54	904	32	10 480	963.5	1969	85 12 - GPP
128	4.63	0.224	0.30	0.88	53	855	36	11 280	1 026.9	1972	82 12
266	3.43	0.267	0.36	0.85	59	898	29	10 540	973.5	1977	84 12
64	3.50	0.169	0.30	0.90	60	892	29	10 540	961.3	1979	85 06 - GPP
32	2.00	0.150	0.40	0.86	64	888	35	9 881	1 052.0	1979	83 12 - SUSP 80 08
32	2.10	0.210	0.32	0.88	58	888	30	10 100	1 047.7	1979	82 02
192	1.81	0.190	0.31	0.90	40	912	32	10 655	968.8	1980	83 05
64	1.80	0.160	0.50	0.89	50	912	31	11 728	985.3	1970	83 12 - GPP
32	13.20	0.210	0.43	0.90	34	939	34	11 192	1 016.9	1980	81 09
16	3.60	0.190	0.40	0.90	43	939	34	10 421	1 024.8	1981	82 03 - SUSP 83 05
32	2.00	0.110	0.30	0.88	58	878	29	10 678	1 049.5	1981	82 03 - SUSP 86 07
16	5.70	0.190	0.29	0.90	40	914	34	11 177	1 050.4	1981	84 10 - GPP
32	8.00	0.210	0.46	0.90	41	923	28	10 238	961.0	1981	82 09
32	6.60	0.160	0.44	0.87	65	890	31	9 950	1 043.4	1981	84 11
16	5.00	0.180	0.35	0.90	41	897	31	10 969	1 029.9	1982	82 12 - GPP
128	2.49	0.176	0.41	0.90	41	917	31	10 367	937.3	1982	84 12
64	7.53	0.220	0.40	0.95	24	930	33	10 411	963.7	1982	85 12
48	8.77	0.220	0.35	0.95	19	908	32	10 374	973.3	1982	85 01
64	2.67	0.180	0.34	0.91	38	899	33	9 839	990.5	1981	85 12 - GPP
32	4.43	0.150	0.48	0.85	67	875	32	10 103	1 032.0	1982	84 11 - GPP
16	6.20	0.190	0.40	0.90	40	933	31	7 548	974.3	1982	83 05 - SUSP 84 12
32	1.00	0.150	0.35	0.85	67	875	32	10 951	1 042.0	1982	85 12
32	2.20	0.220	0.34	0.90	42	916	32	8 862	966.1	1982	83 06 - SUSP 84 02
96	3.35	0.280	0.39	0.88	47	904	34	10 025	944.1	1982	84 11
16	3.30	0.240	0.40	0.90	39	969	34	9 500	939.2	1982	83 06 - ABAND 86 11
16	13.00	0.190	0.41	0.90	41	933	33	10 415	973.1	1982	83 07
32	8.50	0.178	0.43	0.88	50	907	33	10 041	950.3	1983	83 11 - SUSP 84 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 ENHANCED 10³m³	6 TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ALDERSON 015-11W4 (CONTINUED)								
LOWER MANNVILLE LL	99.5	0.10		10.0		10.0	2.8	7.2
LOWER MANNVILLE MM	544.0	0.10		54.4		54.4	11.9	42.5
LOWER MANNVILLE NN	165.0	0.10		16.5		16.5	3.1	13.4
LOWER MANNVILLE OO	46.7	0.10		4.7		4.7	0.4	4.3
LOWER MANNVILLE PP	148.0	0.02		3.0		3.0	0.6	2.4
LOWER MANNVILLE QQ	1 410.0	0.10		141.0		141.0	55.0	86.0
LOWER MANNVILLE SS	23.2	0.15		3.5		3.5	3.0	0.5
LOWER MANNVILLE TT	56.4	0.15		8.5		8.5	6.6	1.9
LOWER MANNVILLE UU	114.0	0.03		3.4		3.4	0.3	3.1
LOWER MANNVILLE VV	103.0	0.10		10.3		10.3	5.2	5.1
LOWER MANNVILLE WW	67.3	0.10		6.7		6.7	4.5	2.2
LOWER MANNVILLE XX	43.4	0.10		4.3		4.3	0.4	3.9
LOWER MANNVILLE YY	41.8	0.10		4.2		4.2	0.3	3.9
LOWER MANNVILLE ZZ	76.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE AAA	538.0	0.15		80.7		80.7	62.5	18.2
LOWER MANNVILLE BBB	31.7	0.10		3.2		3.2	0.9	2.3
LOWER MANNVILLE CCC	54.1	0.10		5.4		5.4	3.8	1.6
LOWER MANNVILLE DDD	28.6	0.10		2.9		2.9	2.2	0.7
LOWER MANNVILLE EEE	10.3	<0.03		0.3		0.3	0.3	
LOWER MANNVILLE FFF	44.4	0.10		4.4		4.4	0.4	4.0
LOWER MANNVILLE HHH	32.5	0.10		3.3		3.3	2.1	1.2
LOWER MANNVILLE III	25.7	0.10		2.6		2.6	0.9	1.7
LOWER MANNVILLE JJJ	147.0	0.10		14.7		14.7	7.5	7.2
LOWER MANNVILLE KKK	27.9	0.10		2.8		2.8	1.5	1.3
LOWER MANNVILLE LLL	640.0	0.05		32.0		32.0	15.8	16.2
LOWER MANNVILLE MMM	76.0	0.05		3.8		3.8	1.3	2.5
LOWER MANNVILLE NNN	101.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE OOO	13.2	<0.02		0.2		0.2	0.2	
LOWER MANNVILLE QQQ	51.3	0.10		5.1		5.1	2.3	2.8
LOWER MANNVILLE RRR	46.3	0.10		4.6		4.6	0.3	4.3
LOWER MANNVILLE SSS	189.0	0.10		18.9		18.9	4.7	14.2
LOWER MANNVILLE TTT	47.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE UUU	180.0	0.03		5.4		5.4	1.4	4.0
LOWER MANNVILLE VVV	68.9	0.10		6.9		6.9	2.3	4.6
LOWER MANNVILLE ZZZ	200.0	0.15		30.0		30.0	15.2	14.8
LOWER MANNVILLE A2A	562.0	0.15		84.3		84.3	73.5	10.8
LOWER MANNVILLE B2B	337.0	0.10		33.7		33.7	19.8	13.9
LOWER MANNVILLE C2C	229.0	0.10		22.9		22.9	0.2	22.7
LOWER MANNVILLE D2D	57.7	0.15		8.7		8.7	3.7	5.0
LOWER MANNVILLE F2F	248.0	0.10		24.8		24.8	5.7	19.1
LOWER MANNVILLE G2G	9.4	0.10		1.0		1.0		1.0
LOWER MANNVILLE H2H	370.0	0.13		48.1		48.1	38.6	9.5
DETRITAL A	178.0	0.10		17.8		17.8	4.8	13.0
DETRITAL B	151.0	0.10		15.1		15.1	5.6	9.5
DETRITAL C	77.4	0.10		7.7		7.7	3.4	4.3
DETRITAL D	146.0	<0.01		0.4		0.4	0.4	
DETRITAL F	143.0	<0.03		3.6		3.6	3.6	
ARCS A	237.0	0.10		23.7		23.7		23.7
ARCS B	151.0	0.10		15.1		15.1	1.4	13.7
ALEXANDER 056-27W4								
BASAL QUARTZ D	175.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ E	126.0	0.08		10.1		10.1	6.4	3.7
BASAL QUARTZ G	178.0	0.10		17.8		17.8	6.6	11.2
WABAMUN B	513.0	<0.01		0.3		0.3	0.3	
WABAMUN C	41.9	0.10		4.2		4.2	1.5	2.7
WABAMUN D	153.0	<0.01		1.0		1.0	1.0	
ALEXIS 055-04W5								
OSTRACOD A	159.0	<0.01		0.7		0.7	0.7	
OSTRACOD B	296.0	0.03		8.9		8.9	8.2	0.7
BANFF A	7 580.0	0.15		1 140.0		1 140.0	406.0	734.0
ALTARIO 035-01W4								
GLAUCONITIC A	86.6	<0.01		0.1		0.1		0.1
GLAUCONITIC B	72.4	<0.01		0.1		0.1		0.1
GLAUCONITIC C	56.0	<0.01		0.2		0.2	0.2	
ARMADA 016-19W4								
UPPER MANNVILLE E	318.0	0.10		31.8		31.8	0.4	31.4
BASAL QUARTZ C	6.3	<0.05		0.3		0.3	0.3	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
32	3.60	0.160	0.40	0.90	41	910	28	10 142	934.3	1982	83 12
64	7.50	0.180	0.30	0.90	42	890	31	11 274	1 002.2	1983	84 05
64	2.00	0.220	0.35	0.90	42	887	30	9 665	967.3	1983	84 05
16	3.00	0.170	0.35	0.88	52	931	29	9 674	968.3	1983	84 05 - SUSP 86 12
16	6.70	0.230	0.32	0.88	52	928	33	10 533	981.8	1983	85 12
294	4.56	0.190	0.37	0.88	100	894	30	10 710	983.4	1983	86 05
16	1.60	0.170	0.40	0.89	41	927	30	10 415	941.0	1983	86 12
16	3.00	0.220	0.40	0.89	41	927	27	10 572	948.5	1983	87 12
16	5.20	0.240	0.35	0.88	50	930	34	10 094	1 019.6	1982	85 12 - SUSP 86 09
16	6.10	0.200	0.40	0.88	50	943	33	10 373	984.8	1983	84 09
16	3.50	0.210	0.35	0.88	50	943	33	10 478	995.9	1983	84 09
32	1.00	0.230	0.33	0.88	50	915	30	11 120	1 017.7	1983	84 10 - SUSP 86 12
16	3.60	0.150	0.45	0.88	50	890	31	10 254	1 037.2	1983	84 10 - SUSP 86 07
16	5.00	0.180	0.40	0.88	50	882	31	11 278	1 041.5	1983	84 10 - ABAND 84 06
64	5.90	0.240	0.34	0.90	37	877	29	10 411	965.3	1984	87 12 - GPP
16	1.20	0.250	0.25	0.88	42	904	32	10 904	1 041.1	1980	81 12 - SUSP 86 05
16	3.90	0.170	0.40	0.85	65	902	31	10 669	1 030.2	1984	84 11
16	2.50	0.140	0.40	0.85	65	902	31	10 915	1 043.9	1984	84 11
16	0.60	0.180	0.32	0.88	53	895	30	10 205	988.8	1984	84 11 - SUSP 85 05
16	2.50	0.180	0.30	0.88	67	875	33	10 435	1 057.6	1984	84 12
16	2.10	0.200	0.45	0.88	54	928	30	10 064	964.0	1984	84 12
16	1.80	0.160	0.38	0.90	40	904	30	10 910	1 022.8	1973	85 01 - GPP
32	2.70	0.260	0.26	0.88	53	895	30	10 541	990.8	1984	85 07
32	1.00	0.180	0.45	0.88	53	897	30	10 251	982.8	1984	85 02
64	8.86	0.190	0.34	0.90	42	895	30	9 970	982.9	1984	85 08
32	2.50	0.180	0.40	0.88	50	900	32	9 755	929.1	1984	85 03
32	4.80	0.150	0.50	0.88	50	900	34	10 235	987.6	1984	85 03 - ABAND 86 07
16	1.00	0.180	0.48	0.88	50	925	30	9 264	932.2	1984	85 05 - ABAND 86 09
16	3.40	0.170	0.37	0.88	50	880	30	9 239	995.7	1984	85 05
16	2.20	0.220	0.35	0.92	33	880	30	9 917	976.4	1984	85 05
16	10.00	0.210	0.36	0.88	50	885	30	10 681	990.6	1985	85 07
16	3.90	0.170	0.50	0.90	42	871	31	11 380	1 004.0	1985	85 07 - SUSP 85 06
32	5.40	0.170	0.32	0.90	42	890	33	11 012	1 040.2	1984	87 12
16	4.00	0.180	0.32	0.88	50	918	30	10 144	993.6	1985	85 09
56	4.23	0.160	0.38	0.85	64	892	32	10 608	1 003.8	1962	87 12 - GPP
64	8.20	0.180	0.30	0.85	64	892	32	10 824	983.0	1962	85 12 - GPP
32	10.40	0.170	0.30	0.85	64	892	32	10 857	982.2	1963	85 12 - GPP
32	4.90	0.220	0.30	0.95	26	920	21	10 312	964.7	1985	86 03
32	1.50	0.210	0.35	0.88	53	895	28	10 850	981.2	1984	87 12
64	3.60	0.210	0.43	0.90	45	918	29	9 500	950.6	1986	86 12
16	1.40	0.160	0.70	0.87	59	825	29	10 434	993.5	1986	87 07
289	2.92	0.260	0.44	0.88	53	876	30		977.5		87 12 - GPP
64	2.50	0.200	0.37	0.88	50	902	31	12 975	1 045.0	1983	83 07
64	3.03	0.170	0.48	0.88	52	895	33	10 480	985.8	1983	85 12
32	2.50	0.200	0.45	0.88	52	888	31	10 604	933.0	1983	85 12
64	2.10	0.190	0.35	0.88	52	893	31	7 786	978.2	1985	85 08 - ABAND 85 12
32	3.40	0.230	0.33	0.85	64	892	32	10 395	991.2	1963	85 12 - GPP
64	4.87	0.130	0.35	0.90	40	871	34	6 200	1 345.1	1986	86 11
64	4.85	0.090	0.40	0.90	40	871	34	6 200	1 361.2	1986	86 11
65	3.05	0.160	0.35	0.85	35	927	38	8 830	1 157.6	1968	71 12 - SUSP 71 10
64	1.52	0.230	0.34	0.85	66	887	48	9 100	1 234.1	1976	85 12
64	2.20	0.200	0.21	0.80	90	860	39	11 000	1 225.8	1983	84 10
65	10.06	0.124	0.25	0.85	39	927	48	9 100	1 234.1	1968	71 12 - ABAND 72 12
16	5.90	0.095	0.44	0.85	64	938	37	9 214	1 241.8	1984	85 04
32	5.00	0.160	0.37	0.95	15	940	43	9 757	1 310.5	1983	84 02 - ABAND 86 06
65	2.44	0.160	0.30	0.90	50	921	43	11 380	1 361.8	1968	71 12 - ABAND 71 12
65	3.66	0.200	0.30	0.89	44	946	43	11 460	1 388.1	1970	73 12 - GPP
729	14.36	0.130	0.36	0.87	51	921	43	11 470	1 373.7	1968	83 09
16	4.00	0.230	0.40	0.98	7	970	30	6 999	857.0	1980	80 10 - SUSP 81 09
16	3.50	0.220	0.40	0.98	7	970	30	7 010	861.8	1980	80 10 - ABAND 86 11
16	1.70	0.280	0.25	0.98	14	985	33	6 268	871.9	1979	80 03 - ABAND 83 01
64	8.68	0.120	0.47	0.90	62	922	35	11 138	1 169.7	1984	86 01 - SUSP 86 07
16	0.60	0.120	0.38	0.88	50	930	37	11 701	1 232.7	1981	83 11 - SUSP 85 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
ATLEE-BUFFALO 021-06W4								
UPPER MANNVILLE A	77.3	<0.03		1.9		1.9	1.0	0.9
UPPER MANNVILLE F	3 800.0	0.05		190.0		190.0	39.8	150.2
UPPER MANNVILLE G	5 070.0	0.08		406.0		406.0	152.5	253.5
UPPER MANNVILLE K	46.7	0.05		2.3		2.3	1.7	0.6
UPPER MANNVILLE P	413.0	0.05		20.6		20.6	0.7	19.9
GLAUCONITIC A	142.0	<0.02		1.5		1.5	1.5	
GLAUCONITIC B	25.1	<0.01		0.2		0.2	0.2	
OSTRACOD A	22.5	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE B	192.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE D	462.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE E	80.0	0.10		8.0		8.0	6.8	1.2
BASAL MANNVILLE F	26.5	0.10		2.7		2.7	1.4	1.3
BANFF A	188.0	<0.01		0.3		0.3	0.3	
AUBURNDALE 047-06W4								
COLONY F	103.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT A	1 010.0	0.10		101.0		101.0	67.5	33.5
WAINWRIGHT B	1 590.0	0.05		79.5		79.5	36.3	43.2
BADGER 016-18W4								
UPPER MANNVILLE B TOTAL	2 350.0			305.5	393.7	699.2	88.7	610.5
PRIMARY AREA	892.0	0.13		116.0		116.0		
WATER FLOOD AREA	1 458.0	0.13	0.27	189.5	393.7	583.2		
UPPER MANNVILLE D	150.0	0.13		19.5		19.5	8.2	11.3
LOWER MANNVILLE A	101.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE C	37.4	0.05		1.9		1.9		1.9
BANTRY 018-13W4								
MANNVILLE A	25 300.0	0.32		8 100.0		8 100.0	5 818.5	2 281.5
MANNVILLE B	1 510.0	0.15		227.0		227.0	202.1	24.9
MANNVILLE D	4 270.0	0.30		1 280.0		1 280.0	858.4	421.6
MANNVILLE F	550.0	0.16		88.0		88.0	78.2	9.8
MANNVILLE G	752.0	0.15		113.0		113.0	69.8	43.2
MANNVILLE H	100.0	0.05		5.0		5.0	1.7	3.3
MANNVILLE I	165.0	0.12		19.8		19.8	16.8	3.0
MANNVILLE J	545.0	<0.01		0.2		0.2	0.2	
MANNVILLE M	1 120.0	0.02		22.4		22.4	11.5	10.9
MANNVILLE O	173.0	0.07		12.1		12.1	9.8	2.3
MANNVILLE P	453.0	0.07		31.7		31.7	18.9	12.8
MANNVILLE R	76.8	<0.01		0.1		0.1	0.1	
MANNVILLE S	70.0	0.07		5.0		5.0	4.2	0.8
MANNVILLE V	82.1	<0.01		0.5		0.5	0.5	
MANNVILLE W	128.0	0.05		6.4		6.4	2.3	4.1
MANNVILLE Z	175.0	0.15		26.3		26.3	11.8	14.5
MANNVILLE AA	183.0	0.10		18.3		18.3	0.8	17.5
MANNVILLE DD	297.0	0.10		29.7		29.7	7.5	22.2
MANNVILLE FF	1 300.0	<0.17		220.0		220.0	181.7	38.3
MANNVILLE GG	64.2	0.10		6.4		6.4	0.7	5.7
MANNVILLE HH	83.1	<0.01		0.1		0.1	0.1	
MANNVILLE II	169.0	0.10		16.9		16.9	0.6	16.3
MANNVILLE JJ	11.9	<0.01		0.1		0.1		0.1
MANNVILLE KK	16.4	0.10		1.6		1.6	1.3	0.3
SUNBURST A	146.0	0.10		14.6		14.6	8.9	5.7
SUNBURST B	97.7	<0.01		0.8		0.8	0.8	
DETRITAL A	58.9	0.10		5.9		5.9	3.0	2.9
DETRITAL B	414.0	0.10		41.4		41.4	19.8	21.6
DETRITAL C	36.0	0.10		3.6		3.6	1.0	2.6
PEKISKO A	66.7	<0.02		0.8		0.8	0.8	
PEKISKO B	172.0	<0.01		0.8		0.8	0.8	
PEKISKO C	134.0	0.10		13.4		13.4	2.6	10.8
PEKISKO G	1 181.0	0.10		118.0		118.0	61.1	56.9
BARRHEAD 058-05W5								
BANFF A	59.1	<0.02		1.0		1.0	1.0	
BAXTER LAKE 046-05W4								
MANNVILLE C	567.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT	1 340.0	0.15		201.0		201.0	186.5	14.5
WAINWRIGHT C	296.0	0.15		44.4		44.4	24.8	19.6
LLOYDMINSTER A	205.0	<0.01		0.2		0.2	0.2	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	3.10	0.260	0.37	0.95	32	969	26	10 170	922.2	1972	83 06 - SUSP 83 03
576	4.00	0.260	0.31	0.92	20	972	31	10 350	920.6	1976	81 07 - GPP
565	4.53	0.280	0.24	0.93	22	969	30	10 032	890.8	1980	85 07 - GPP
16	1.80	0.280	0.39	0.95	32	969	26	5 580	986.6	1977	83 09 - GPP
16	11.80	0.299	0.23	0.95	32	970	26	10 152	988.1	1986	87 04
16	5.70	0.240	0.30	0.93	31	965	32	8 861	875.4	1981	82 04 - SUSP 85 09
16	1.30	0.200	0.35	0.93	30	976	32	8 780	866.9	1982	84 05 - SUSP 84 04
16	1.00	0.220	0.34	0.97	10	980	33	9 230	1 009.2	1982	83 01 - SUSP 84 03
16	9.70	0.220	0.42	0.97	21	986	33	10 690	1 020.2	1976	78 10 - SUSP 77 09
65	6.10	0.220	0.44	0.95	21	999	28	9 450	942.1	1974	77 02 - SUSP 84 11
32	2.40	0.184	0.42	0.97	21	986	33	9 896	1 009.7	1976	82 06 - GPP
16	1.20	0.230	0.38	0.97	21	986	33	10 645	1 013.8	1976	82 06 - GPP
16	7.00	0.250	0.30	0.96	15	998	32	10 250	897.2	1982	85 12 - SUSP 82 12
16	4.00	0.270	0.40	0.99	8	971	26	2 529	619.6	1981	82 07 - SUSP 83 11
364	1.61	0.300	0.40	0.96	14	959	24	3 760	630.9	1964	87 12 - GPP
370	1.82	0.316	0.22	0.96	9	959	24	3 860	626.8	1974	81 12 - GPP
273					56	930	34	11 853	1 110.3	1981	87 02
125	4.64	0.230	0.24	0.88							
148	6.40	0.230	0.24	0.88							- GPP
139	1.26	0.150	0.35	0.88	55	930	33	12 656	1 114.1	1983	87 12
16	5.90	0.150	0.20	0.90	46	965	38	12 270	1 149.3	1978	79 02 - SUSP 79 02
16	2.50	0.200	0.48	0.90	43	928	38	12 114	1 183.5	1985	86 04 - SUSP 86 12
4 565	3.44	0.265	0.31	0.88	54	904	28	10 860	990.6	1948	85 11 - GPP
392	2.50	0.250	0.30	0.88	54	904	28	10 790	971.1	1960	83 12 - GPP
864	3.52	0.228	0.30	0.88	54	904	33	10 790	1 021.4	1963	87 05 - GPP
128	3.00	0.250	0.35	0.88	54	904	33	11 200	1 013.5	1962	83 12 - GPP
192	2.65	0.240	0.30	0.88	54	904	28	10 830	979.3	1964	87 12 - GPP
32	2.13	0.230	0.30	0.90	54	904	38	10 930	1 004.3	1965	83 09 - GPP
70	1.83	0.230	0.30	0.80	54	904	32	11 030	1 027.5	1965	86 12 - GPP
65	7.01	0.210	0.35	0.88	54	904	33	10 960	1 018.3	1967	68 09 - ABAND 68 07
120	6.06	0.250	0.30	0.88	54	904	36	8 960	1 003.1	1958	85 12 - GPP
32	3.05	0.250	0.10	0.79	57	915	37	11 400	1 012.2	1964	81 12
48	5.50	0.260	0.25	0.88	54	904	28	10 930	974.1	1968	87 12 - GPP
32	2.50	0.220	0.51	0.89	47	910	37	10 578	1 006.3	1979	81 02 - SUSP 80 03
32	1.53	0.250	0.35	0.88	54	904	33	10 551	1 019.1	1962	83 01 - GPP
32	2.70	0.180	0.40	0.88	54	903	31	9 818	973.9	1980	81 12 - SUSP 83 05
32	3.50	0.200	0.35	0.88	54	914	31	9 592	948.5	1980	84 12
32	4.50	0.200	0.31	0.88	48	883	34	10 596	964.8	1982	85 08
64	2.50	0.200	0.35	0.88	48	893	35	10 304	1 010.5	1982	83 01 - SUSP 87 01
96	2.99	0.210	0.44	0.88	54	887	29	9 339	949.5	1983	83 09 - GPP
253	3.23	0.255	0.29	0.88	54	904	33	10 790	1 014.2	1968	84 08 - GPP
64	1.00	0.190	0.40	0.88	50	893	37	9 188	1 025.3	1984	84 11
64	1.10	0.220	0.39	0.88	53	882	30	10 867	1 005.4	1984	85 05 - SUSP 85 04
64	2.38	0.200	0.37	0.88	49	893	34	9 389	1 019.9	1985	85 10 - SUSP 87 01
16	1.20	0.150	0.53	0.88	49	870	30	8 573	969.1	1985	85 10 - ABAND 86 02
16	1.20	0.180	0.46	0.88	50	890	30	8 621	974.6	1986	86 10
32	5.00	0.160	0.35	0.88	48	880	32	10 414	961.5	1983	86 10
64	1.70	0.170	0.40	0.88	48	870	32	9 704	954.9	1983	83 09 - SUSP 83 03
32	1.53	0.228	0.40	0.88	42	870	30	8 371	972.0	1983	83 11 - GPP
64	4.44	0.240	0.31	0.88	50	882	30	10 096	972.5	1984	84 09
16	3.20	0.160	0.50	0.88	51	880	30	7 600	962.8	1986	86 10
16	14.63	0.045	0.30	0.90	53	965	39	10 740	976.6	1966	68 05 - ABAND 68 09
55	3.05	0.170	0.33	0.90	40	934	32	10 290	983.0	1977	83 12 - ABAND 78 05
64	2.00	0.150	0.20	0.87	55	880	33	9 500	1 007.5	1982	83 01
318	7.54	0.076	0.28	0.90	41	896	32	10 694	965.8	1972	86 10
32	3.00	0.110	0.30	0.80	51	921	40	9 777	1 222.5	1949	82 12 - SUSP 82 02
64	3.70	0.330	0.22	0.93	28	959	29	4 450	661.1	1976	86 12 - SUSP 85 08
307	2.00	0.330	0.31	0.96	18	952	22	3 930	667.8	1948	84 12 - GPP
56	2.53	0.320	0.32	0.96	20	959	20	3 890	669.3	1973	87 12 - GPP
16	10.67	0.240	0.45	0.90	27	927	32	4 128	707.6	1975	78 12 - SUSP 78 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BERRY 027-12W4								
UPPER MANNVILLE I	44.5	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE J	81.0	<0.01		0.7		0.7	0.7	
UPPER MANNVILLE M	84.5	0.10		8.5		8.5	0.6	7.9
LOWER MANNVILLE A	888.0	0.04		35.5		35.5	23.1	12.4
LOWER MANNVILLE F	105.0	0.08		8.4		8.4	6.6	1.8
LOWER MANNVILLE I	52.4	0.05		2.6		2.6	0.6	2.0
BIGORAY 052-08W5								
PEKISKO A	5 400.0	0.03		162.0		162.0	126.8	35.2
PEKISKO F	21.9	<0.01		0.1		0.1	0.1	
BINDLOSS 022-04W4								
GLAUCONITIC A	43.1	0.05		2.2		2.2	1.0	1.2
LOWER MANNVILLE A	194.0	0.03		5.8		5.8	4.5	1.3
LOWER MANNVILLE B	166.0	<0.01		0.1		0.1	0.1	
BIRCH 050-11W4								
GENERAL PETROLEUM A	105.0	<0.02		1.4		1.4	1.4	
BLACK BUTTE 001-08W4								
MANNVILLE B	1 019.0	0.03		30.6		30.6	18.3	12.3
BLUERIDGE 059-10W5								
PEKISKO A	1 720.0	<0.01		5.5		5.5	5.5	
BOLLOQUE 065-24W4								
UPPER MANNVILLE A	246.0	0.01		2.5		2.5	2.0	0.5
UPPER MANNVILLE G	1 132.0	0.02		22.6		22.6	2.6	20.0
BOW ISLAND 011-11W4								
GLAUCONITIC A	5 230.0	0.10		523.0		523.0	98.7	424.3
LOWER MANNVILLE A	49.4	0.10		4.9		4.9	1.1	3.8
LOWER MANNVILLE B	145.0	0.06		8.7		8.7	1.9	6.8
LOWER MANNVILLE C	59.2	0.10		5.9		5.9	2.7	3.2
LOWER MANNVILLE D	173.0	<0.01		0.3		0.3	0.3	
BUFF COULEE 047-07W4								
COLONY H	139.0	<0.01		0.3		0.3	0.3	
CESSFORD 025-13W4								
BASAL COLORADO A TOTAL	11 830.0			1 799.0	927.5	2 727.0	1 763.5	963.5
PRIMARY AREA	5 650.0	0.15		871.5		871.5		
WATER FLOOD AREA	6 180.0	0.15	0.15	927.0	927.0	1 854.0		
MANNVILLE M & BASAL COLORADO H	227.0	<0.01		0.4		0.4	0.4	
MANNVILLE B	780.0	0.06		46.8		46.8	39.1	7.7
MANNVILLE C	32 000.0	0.09		2 880.0		2 880.0	2 214.9	665.1
MANNVILLE E	286.0	0.10		28.6		28.6	26.6	2.0
MANNVILLE I	139.0	0.10		13.9		13.9	10.1	3.8
MANNVILLE X	190.0	0.15		28.5		28.5	24.5	4.0
MANNVILLE NN	130.0	<0.01		0.2		0.2	0.2	
MANNVILLE QQ	128.0	<0.04		4.6		4.6	4.6	
MANNVILLE Y&Z	5 360.0	0.15		804.0		804.0	399.0	405.0
MANNVILLE GGG	81.0	0.10		8.1		8.1	5.4	2.7
MANNVILLE RRR	137.0	0.05		6.9		6.9	1.8	5.1
MANNVILLE VVV	47.6	<0.01		0.4		0.4	0.4	
MANNVILLE WWW	89.1	<0.01		0.5		0.5	0.5	
MANNVILLE XXX	146.0	<0.01		0.2		0.2	0.2	
MANNVILLE L2L	57.7	0.10		5.8		5.8	2.5	3.3
MANNVILLE O2O	104.0	0.10		10.4		10.4	4.3	6.1
MANNVILLE P2P	149.0	0.10		14.9		14.9	0.3	14.6
MANNVILLE Q2Q	66.0	<0.01		0.1		0.1	0.1	
COLONY A	55.6	0.05		2.8		2.8	0.3	2.5
BASAL QUARTZ C	789.0	0.05		39.4		39.4	4.3	35.1
BASAL QUARTZ F	103.0	0.10		10.3		10.3	1.8	8.5
PEKISKO A	63.6	<0.03		1.4		1.4	1.4	
CHAUVIN 043-01W4								
MANNVILLE A TOTAL	6 440.0			688.0	550.0	1 240.0	1 125.0	115.0
PRIMARY AREA	341.0	0.05		17.0		17.0		
WATER FLOOD AREA	6 100.0	0.11	0.09	671.0	550.0	1 220.0		

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	2.77	0.190	0.42	0.91	44	910	34	9 580	1 104.1	1977	84 12 - SUSP 83 04
32	2.47	0.190	0.40	0.90	43	876	37	9 482	1 119.2	1978	83 12 - SUSP 81 11
64	2.00	0.150	0.50	0.88	48	858	34	10 145	1 100.5	1978	83 12
160	4.47	0.210	0.35	0.91	40	891	34	9 670	1 080.1	1965	83 10 - GPP
32	3.40	0.180	0.41	0.91	51	860	42	9 324	1 115.4	1976	82 12
64	1.00	0.180	0.50	0.91	36	875	43		1 136.0	1985	87 09 - GPP
3 000	4.58	0.072	0.35	0.84	62	915	64	15 070	1 903.8	1969	85 01 - GPP
32	4.20	0.035	0.44	0.83	68	935	65	14 305	1 977.0	1979	86 08 - ABAND 86 09
16	1.50	0.270	0.30	0.95	44	945	31	10 620	785.8	1982	83 01 - SUSP 86 09
32	3.40	0.280	0.33	0.95	22	974	30	9 300	787.9	1974	81 12 - GPP
16	6.10	0.280	0.36	0.95	16	778	40	7 130	786.3	1981	83 01 - SUSP 82 12
16	4.50	0.280	0.45	0.98	3	965	24	4 871	643.8	1980	82 03 - SUSP 84 04
348	2.63	0.200	0.36	0.87	62	915	32	8 520	943.2	1969	87 10 - GPP
2 148	2.07	0.065	0.30	0.85	46	940	54	12 490	1 759.3	1968	74 12 - ABAND 81 03
65	2.44	0.250	0.35	0.96	35	946	21	5 810	863.2	1975	76 04 - GPP
48	13.37	0.270	0.34	0.99	10	971	24	4 474	632.9	1984	87 12
288	9.55	0.260	0.23	0.95	19	920	34	9 876	911.3	1985	86 05
16	2.50	0.200	0.35	0.95	16	928	31	10 686	918.8	1979	82 03
32	3.55	0.220	0.39	0.95	21	929	33	5 800	927.5	1980	87 07
32	1.50	0.220	0.41	0.95	16	916	31	10 310	930.8	1984	84 11
32	3.00	0.260	0.27	0.95	20	916	33	10 378	927.0	1985	85 07 - SUSP 85 08
16	4.60	0.300	0.30	0.90	18	961	92	3 032	601.7	1976	84 11 - SUSP 85 12
3 238					46	898	27	8 720	929.9	1952	87 08 - GPP
1 691	2.36	0.258	0.39	0.90							
1 547	3.03	0.240	0.39	0.90							
128	1.69	0.232	0.48	0.87	60	904	33	9 710	1 056.7	1975	76 12 - SUSP 77 04
403	1.89	0.230	0.50	0.89	44	904	35	9 760	1 033.6	1953	82 12 - GPP
4 224	6.57	0.220	0.43	0.92	44	910	31	9 760	1 019.5	1951	86 02 - GPP
66	3.90	0.247	0.48	0.87	44	904	37	9 650	1 040.0	1962	77 12 - GPP
65	2.44	0.220	0.54	0.87	45	892	31	9 720	1 022.3	1951	73 12 - GPP
64	3.10	0.200	0.45	0.87	45	892	31	8 540	1 019.6	1968	86 12 - GPP
65	1.83	0.230	0.45	0.87	48	892	31	9 580	1 009.5	1976	77 02 - SUSP 76 05
65	1.52	0.200	0.30	0.90	44	915	32	8 760	1 024.4	1974	77 02 - SUSP 82 11
1 881	2.55	0.204	0.37	0.87	45	892	35	9 550	1 010.6	1951	85 09 - GPP
64	1.50	0.210	0.55	0.89	49	904	32	8 340	1 012.8	1977	79 01 - SUSP 86 06
32	3.00	0.230	0.31	0.90	25	919	32	7 906	1 025.5	1980	82 06
32	1.74	0.190	0.50	0.90	31	920	33	7 200	1 023.5	1981	82 07 - SUSP 83 12
32	3.20	0.200	0.50	0.87	40	944	36	9 884	1 061.3	1981	85 12 - SUSP 83 09
32	4.45	0.193	0.41	0.90	38	910	39	8 008	1 054.2	1982	85 12 - SUSP 82 11
32	2.40	0.180	0.52	0.87	56	910	31	9 550	997.4	1984	84 12
64	1.50	0.220	0.40	0.82	78	766	30	9 548	1 102.3	1985	85 12
64	2.00	0.230	0.45	0.92	33	919	34	9 322	1 042.0	1985	86 06
32	2.50	0.230	0.61	0.92	33	909	34	9 368	1 036.8	1986	86 08 - SUSP 87 07
16	3.00	0.230	0.44	0.90	40	955	38	8 646	860.5	1974	83 08 - GPP
192	6.55	0.140	0.46	0.83	56	865	40	9 250	1 302.9	1980	85 12
64	3.00	0.150	0.60	0.89	40	859	32	9 679	996.8	1981	85 08
65	1.83	0.100	0.40	0.89	66	844	44	9 580	1 277.4	1961	61 09 - ABAND 68 05
844					14	921	24	4 830	630.0	1952	80 12
64	3.30	0.300	0.44	0.96							
780	4.85	0.300	0.44	0.96							- GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CHAUVIN 043-01W4 (CONTINUED)								
MANNVILLE B	800.0	0.10		80.0		80.0	60.7	19.3
SPARKY A WATER FLOOD	300.0	0.10	0.15	30.0	45.0	75.0	57.4	17.6
SPARKY D	1 510.0	0.08		121.0		121.0	58.1	62.9
SPARKY E	276.0	0.10		27.6		27.6	19.2	8.4
SPARKY F	46.4	<0.01		0.1		0.1		0.1
GENERAL PETROLEUM A	234.0	0.02		4.7		4.7	0.8	3.9
LLOYDMINSTER A	401.0	0.05		20.1		20.1	5.1	15.0
LLOYDMINSTER B	369.0	0.10		36.9		36.9	1.6	35.3
LLOYDMINSTER C	253.0	0.02		5.1		5.1	0.1	5.0
CUMMINGS A	556.0	0.02		11.1		11.1	6.6	4.5
CHAUVIN SOUTH 042-02W4								
UPPER MANNVILLE D	194.0	<0.01		0.3		0.3	0.3	
COLONY A	556.0	0.05		27.8		27.8	15.2	12.6
COLONY B	833.0	0.03		25.0		25.0	18.8	6.2
COLONY H	567.0	0.10		56.7		56.7	22.9	33.8
COLONY O	231.0	0.05		11.6		11.6	4.0	7.6
SPARKY E TOTAL	3 640.0			254.8	487.8	743.0	624.4	118.6
PRIMARY AREA	930.0	0.07		65.1		65.1		
WATER FLOOD AREA	2 710.0	0.07	0.18	190.0	488.0	678.0		
SPARKY H TOTAL	3 335.0			234.0	607.0	841.0	560.0	281.0
PRIMARY AREA	695.0	0.07		48.7		48.7		
WATER FLOOD AREA	2 640.0	0.07	0.23	185.0	607.0	792.0		
SPARKY M	501.0	0.04		20.0		20.0	8.2	11.8
SPARKY Q	163.0	0.05		8.2		8.2	5.5	2.7
SPARKY P	342.0	0.07		23.9		23.9	14.6	9.3
SPARKY T	66.6	0.07		4.7		4.7	3.1	1.6
SPARKY V	116.0	0.05		5.8		5.8	4.7	1.1
SPARKY W	234.0	0.05		11.7		11.7	2.6	9.1
SPARKY X	362.0	0.10		36.2		36.2	18.5	17.7
SPARKY Z	70.6	0.05		3.5		3.5	0.3	3.2
SPARKY AA	60.2	0.05		3.0		3.0	0.1	2.9
SPARKY BB	224.0	0.10		22.4		22.4	6.0	16.4
SPARKY CC	89.9	0.05		4.5		4.5	3.4	1.1
SPARKY A&B TOTAL	11 500.0			845.0	865.0	1 710.0	1 277.1	432.9
PRIMARY AREA	3 600.0	0.05		180.0		180.0		
WATER FLOOD AREA	7 860.0	<0.09	0.11	665.0	865.0	1 530.0		
SPARKY N R & S	1 910.0	0.05		95.6		95.6	58.2	37.4
GENERAL PETROLEUM A	67.7	0.08		5.4		5.4	3.0	2.4
GENERAL PETROLEUM B	9.3	0.10		1.0		1.0	0.6	0.4
REX A	90.4	0.05		4.5		4.5	1.0	3.5
LLOYDMINSTER A	391.0	0.05		19.6		19.6	10.2	9.4
LLOYDMINSTER C	2 850.0	0.10		285.0		285.0	220.5	64.5
LLOYDMINSTER D TOTAL	1 829.0			183.0	132.0	315.0	263.2	51.8
PRIMARY AREA	179.0	0.10		17.9		17.9		
WATER FLOOD AREA	1 650.0	0.10	0.08	165.0	132.0	297.0		
LLOYDMINSTER E	326.0	0.03		9.8		9.8	6.4	3.4
LLOYDMINSTER F	373.0	<0.02		6.9		6.9	1.9	5.0
LLOYDMINSTER G TOTAL	3 420.0			119.0	35.4	155.0	64.0	91.0
PRIMARY AREA	1 650.0	0.04		66.0		66.0		
WATER FLOOD AREA	1 770.0	0.03	0.02	53.1	35.4	88.5		
LLOYDMINSTER H	148.0	0.05		7.4		7.4	1.9	5.5
LLOYDMINSTER I	162.0	0.05		8.1		8.1	0.1	8.0
LLOYDMINSTER J	157.0	0.10		15.7		15.7	1.4	14.3
DINA A	107.0	<0.01		0.1		0.1	0.1	
DINA B	186.0	<0.01		0.2		0.2	0.2	
LEDUC A	132.0	0.05		6.6		6.6	0.3	6.3
CHERHILL 056-05W5								
BANFF B	1 000.0	0.06		60.0		60.0	33.7	26.3
BANFF C	1 260.0	0.10		126.0		126.0	36.2	89.8
BANFF F	13 800.0	0.10		1 380.0		1 380.0	170.4	1 209.6
BANFF Q	113.0	<0.01		0.2		0.2	0.2	
BANFF V	217.0	0.03		6.5		6.5	4.3	2.2
BANFF W	51.4	0.10		5.1		5.1		5.1
CHIGWELL 041-24W4								
MANNVILLE C	342.0	<0.01		1.7		1.7	1.7	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
191	2.24	0.300	0.35	0.96	14	921	24	4 830	615.7	1954	84 12 - GPP
130	1.82	0.240	0.45	0.96	14	922	24	5 540	625.7	1980	87 12
655	1.27	0.300	0.37	0.96	17	950	24	4 712	589.6	1974	84 12
80	1.81	0.320	0.38	0.96	17	943	24	4 340	612.6	1979	85 12
16	1.70	0.320	0.45	0.97	12	920	24	4 511	663.2	1986	86 08 - SUSP 86 06
32	3.37	0.310	0.28	0.97	13	950	24	4 664	636.7	1979	83 11 - SUSP 87 02
32	6.47	0.280	0.28	0.96	16	940	25	4 600	658.7	1978	82 05
32	6.00	0.290	0.31	0.96	16	940	29	4 345	695.2	1985	85 12 - SUSP 86 06
16	6.20	0.310	0.17	0.99	14	955	26	4 935	667.4	1985	86 08
64	4.44	0.290	0.29	0.95	21	956	26	4 452	637.6	1978	82 09 - GPP
16	5.40	0.320	0.23	0.91	45	985	24	4 292	608.9	1979	80 06 - SUSP 80 12
64	4.42	0.292	0.30	0.95	14	927	25	4 220	608.1	1963	83 03
40	9.45	0.320	0.29	0.97	9	972	33	4 010	592.2	1972	85 12 - GPP
80	3.36	0.300	0.29	0.99	12	956	24	4 080	564.6	1978	85 12 - GPP
32	3.53	0.310	0.32	0.97	20	940	35	4 030	568.2	1983	86 12
807					14	910	24	4 790	643.8	1969	87 11
212	2.13	0.290	0.26	0.96							
595	2.21	0.290	0.26	0.96							- GPP
503					20	898	28	4 730	628.3	1971	87 12
109	2.58	0.307	0.16	0.96							
394	2.77	0.300	0.16	0.96							- GPP
64	3.70	0.310	0.29	0.96	16	921	10	5 020	610.8	1973	87 12
32	2.42	0.300	0.28	0.96	18	932	15	4 700	616.8	1977	83 04 - SUSP 86 10
80	2.65	0.280	0.40	0.96	24	918	16	4 890	643.5	1978	87 12
48	1.00	0.260	0.45	0.97	12	945	29	4 672	650.8	1979	87 12 - GPP
16	3.00	0.300	0.16	0.96	14	934	30	4 529	622.5	1981	82 05
32	6.28	0.240	0.50	0.97	12	925	25	3 200	658.0	1982	83 05 - SUSP 86 07
60	2.54	0.313	0.21	0.96	18	933	20	4 635	623.8	1978	87 12
16	2.50	0.280	0.35	0.97	10	946	33	4 702	610.4	1983	84 04
32	1.00	0.280	0.30	0.96	20	898	28	4 690	652.5	1981	84 07
48	2.73	0.300	0.40	0.95	15	930	23	5 067	636.9	1985	87 12
32	1.50	0.300	0.35	0.96	15	915	26	6 584	655.8	1981	82 06
1 254					16	910	31	4 620	653.2	1952	84 12
400	4.62	0.290	0.30	0.96							
854	4.72	0.290	0.30	0.96							- GPP
656	1.70	0.270	0.38	0.96	18	921	24	4 522	624.1	1969	83 12
16	3.00	0.210	0.30	0.96	15	970	25	4 495	662.5	1981	85 12 - GPP
16	0.40	0.270	0.42	0.93	28	934	30	3 524	640.4	1985	86 03
16	4.50	0.230	0.40	0.91	14	985	28	6 710	627.8	1983	84 02 - GPP
32	6.53	0.300	0.35	0.96	14	952	18	5 100	659.7	1963	79 08 - GPP
699	1.94	0.300	0.27	0.96	14	940	25	4 520	665.1	1953	82 12 - GPP
438					14	940	24	4 730	696.6	1968	87 12
48	1.83	0.280	0.25	0.97							
390	1.71	0.300	0.15	0.97							- GPP
96	1.72	0.290	0.29	0.96	14	940	24	4 960	691.9	1969	87 11
96	1.90	0.300	0.29	0.96	14	904	27	4 670	650.9	1974	80 12
369					15	970	25	3 640	648.9	1978	85 11 - GPP
193	4.39	0.290	0.30	0.96							
176	5.16	0.290	0.30	0.96							
16	4.50	0.330	0.35	0.96	18	931	22	4 630	644.8	1982	82 07
16	6.00	0.270	0.35	0.96	18	954	18	4 685	691.7	1983	84 07
16	6.00	0.260	0.35	0.97	20	955	27	4 917	650.5	1984	85 05
16	3.05	0.300	0.24	0.97	13	947	27	5 070	672.1	1978	79 01 - SUSP 78 09
16	5.50	0.290	0.24	0.96	12	958	33	3 976	703.3	1985	86 05
16	4.44	0.260	0.28	0.99	15	960	25	4 785	657.4	1985	86 06 - SUSP 86 06
249	5.40	0.140	0.40	0.89	51	915	43	10 890	1 393.2	1969	82 10
128	9.63	0.180	0.34	0.86	48	911	64	10 680	1 387.9	1977	87 04
1 064	14.38	0.170	0.39	0.87	46	910	40	9 500	1 465.3	1981	86 06
32	3.78	0.196	0.45	0.87	50	904	45	9 084	1 286.6	1984	85 12 - ABAND 86 01
32	11.54	0.110	0.40	0.89	44	935	50	11 210	1 376.6	1981	86 12
16	4.69	0.155	0.48	0.85	58	945	48		1 454.8	1985	87 12
65	4.88	0.170	0.25	0.85	69	887	50	11 310	1 485.6	1969	74 12 - ABAND 73 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CHIN COULEE 007-14W4								
GLAUCONITIC A	221.0	0.05		11.1		11.1	0.7	10.4
BASAL MANNVILLE A TOTAL	3 890.0			389.0	502.0	891.0	820.3	70.7
PRIMARY AREA	548.0	0.10		54.8		54.8		
WATER FLOOD AREA	3 340.0	0.10	0.15	334.0	502.0	836.0		
COMPEER 033-02W4								
LOWER MANNVILLE A	118.0	0.10		11.8		11.8	8.1	3.7
LOWER MANNVILLE B	158.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	239.0	0.08		19.1		19.1	6.3	12.8
BANFF A	130.0	<0.02		2.1		2.1	2.1	
BANFF B	255.0	0.08		20.4		20.4	8.4	12.0
CONNORSVILLE 025-15W4								
LOWER MANNVILLE C	27.0	<0.01		0.1		0.1		0.1
CONRAD 006-15W4								
ELLIS	2 540.0	0.21		533.0		533.0	509.2	23.8
COUNTESS 021-16W4								
UPPER MANNVILLE B TOTAL	3 920.0			588.0	900.0	1 488.0	1 197.1	290.9
PRIMARY AREA	320.0	0.15		48.0		48.0		
WATER FLOOD AREA	3 600.0	0.15	0.25	540.0	900.0	1 440.0		
UPPER MANNVILLE D TOTAL	12 900.0			1 290.0	4 120.0	5 410.0	5 126.5	283.5
PRIMARY AREA	473.0	0.10		47.3		47.3		
WATER FLOOD AREA	12 400.0	0.10	0.33	1 240.0	4 120.0	5 360.0		
UPPER MANNVILLE F TOTAL	1 750.0			164.0	445.0	609.0	528.1	80.9
PRIMARY AREA	157.0	0.03		4.7		4.7		
WATER FLOOD AREA	1 590.0	0.10	0.28	159.0	445.0	604.0		
UPPER MANNVILLE H WATER FLOOD	5 545.0	0.10	0.30	554.5	1 663.5	2 218.0	1 990.1	227.9
UPPER MANNVILLE J	687.0	0.10		68.7		68.7	43.7	25.0
UPPER MANNVILLE L	208.0	0.10		20.8		20.8	18.2	2.6
UPPER MANNVILLE M WATER FLOOD	556.0	0.15	0.15	83.4	83.4	167.0	129.3	37.7
UPPER MANNVILLE O WATER FLOOD	2 540.0	0.15	0.32	381.0	814.0	1 200.0	720.6	479.4
UPPER MANNVILLE T	51.0	<0.03		1.2		1.2	1.2	
UPPER MANNVILLE U	170.0	0.10		17.0		17.0	5.6	11.4
UPPER MANNVILLE Y	144.0	0.10		14.4		14.4		14.4
UPPER MANNVILLE HH	120.0	0.15		18.0		18.0	5.3	12.7
UPPER MANNVILLE II	191.0	0.10		19.1		19.1	5.5	13.6
UPPER MANNVILLE JJ	17.7	0.10		1.8		1.8	0.8	1.0
UPPER MANNVILLE KK	267.0	0.10		26.7		26.7	2.5	24.2
UPPER MANNVILLE MM	301.0	0.10		30.1		30.1	3.3	26.8
LOWER MANNVILLE A	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	319.0	0.01		0.6		0.6	0.6	
LOWER MANNVILLE F	134.0	0.08		10.7		10.7	6.4	4.3
LOWER MANNVILLE G	251.0	0.05		12.6		12.6	4.3	8.3
LOWER MANNVILLE H	196.0	0.02		3.9		3.9	0.8	3.1
LOWER MANNVILLE I	61.7	0.05		3.1		3.1		3.1
LOWER MANNVILLE J	105.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE K	87.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE L	257.0	0.02		5.1		5.1	0.7	4.4
LOWER MANNVILLE N	124.0	0.05		6.2		6.2	0.1	6.1
LOWER MANNVILLE O	65.6	0.05		3.3		3.3	0.6	2.7
LOWER MANNVILLE P	117.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Q	218.0	<0.01		0.1		0.1	0.1	
OSTRACOD D	130.0	0.10		13.0		13.0	3.3	9.7
BASAL QUARTZ B	126.0	<0.03		3.3		3.3	3.1	0.2
BASAL QUARTZ F	21.0	<0.01		0.1		0.1		0.1
PEKISKO B	66.6	<0.01		0.1		0.1	0.1	
PEKISKO C	88.1	<0.01		0.1		0.1	0.1	
DAVID 041-03W4								
LLOYDMINSTER A TOTAL	2 380.0			309.0	268.0	577.0	460.2	116.8
PRIMARY AREA	149.0	0.13		19.4		19.4		
WATER FLOOD AREA	2 230.0	0.13	0.12	290.0	268.0	558.0		
LLOYDMINSTER B	461.0	0.06		27.7		27.7	22.7	5.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	12.60	0.130	0.19	0.97	10	926	33	8 830	877.0	1985	85 08
1 414					5	915	32	9 791	917.8	1960	83 03 - GPP
190	2.56	0.194	0.40	0.97							
1 224	2.42	0.194	0.40	0.97							
32	2.80	0.230	0.37	0.92	35	934	32	6 158	898.2	1978	79 10
16	5.00	0.280	0.25	0.94	27	959	28	8 150	885.3	1980	83 12 - SUSP 80 12
64	2.14	0.320	0.42	0.94	25	960	28	6 324	842.8	1984	87 12
16	6.10	0.200	0.30	0.95	18	959	36	6 856	850.0	1955	85 10 - SUSP 85 08
32	4.13	0.290	0.30	0.95	21	937	28	7 680	824.8	1984	87 12
64	1.50	0.080	0.60	0.89	52	893	32	8 890	990.9	1978	79 02 - SUSP 78 12
1 475	1.52	0.198	0.35	0.88	53	904	30	10 340	926.6	1944	85 12 - GPP
624					45	887	37	10 780	1 083.8	1965	87 12
96	2.24	0.220	0.24	0.89							
528	4.09	0.240	0.22	0.89							- GPP
1 538					45	904	36	10 840	1 122.2	1967	85 03
124	2.48	0.234	0.26	0.89							
1 414	4.93	0.250	0.20	0.89							- GPP
194					45	887	34	10 850	1 075.3	1967	82 12 - GPP
32	3.20	0.230	0.25	0.89							
162	6.40	0.230	0.25	0.89							
679	5.35	0.220	0.22	0.89	50	898	32	11 090	1 072.0	1968	86 12 - GPP
208	2.41	0.220	0.30	0.89	44	887	33	10 950	1 075.8	1970	86 12 - GPP
65	2.29	0.207	0.24	0.89	45	881	39	10 690	1 082.3	1971	72 08
32	14.02	0.230	0.38	0.86	59	892	38	11 130	1 079.9	1972	78 06 - GPP
170	8.14	0.260	0.17	0.85	51	915	36	10 670	1 067.7	1973	77 12 - GPP
65	0.91	0.150	0.34	0.86	60	892	32	10 230	1 049.0	1977	78 12 - SUSP 83 10
32	4.00	0.230	0.35	0.89	41	890	33	9 720	1 079.5	1978	79 02 - GPP
64	3.50	0.120	0.40	0.89	40	861	36	9 760	1 056.0	1980	81 09 - GPP
50	1.50	0.230	0.22	0.89	43	887	37	11 056	1 108.3	1983	87 12 - GPP
32	3.40	0.240	0.18	0.89	45	887	38	9 134	1 134.0	1984	85 03
16	1.50	0.160	0.48	0.89	47	900	35	9 392	1 077.3	1984	85 03
64	5.00	0.170	0.43	0.86	55	855	38	9 347	1 216.3	1985	85 11 - GPP
64	3.40	0.210	0.26	0.89	45	823	32	10 824	1 074.1	1986	86 10
32	5.79	0.250	0.50	0.90	41	898	34	11 480	1 105.8	1968	73 12 - ABAND 72 11
65	2.74	0.270	0.25	0.89	42	915	38	10 800	1 139.0	1974	83 12 - ABAND 77 01
32	4.30	0.190	0.42	0.89	48	892	34	11 066	1 131.1	1975	85 12
64	4.00	0.160	0.28	0.85	66	864	34	10 800	1 113.9	1979	80 01
64	5.00	0.160	0.55	0.85	75	869	36	10 635	1 347.5	1980	84 05 - GPP
64	1.80	0.140	0.55	0.85	53	855	41	10 252	1 334.9	1980	81 08 - SUSP 81 05
32	3.60	0.170	0.40	0.89	38	910	37	11 214	1 098.6	1981	82 09 - ABAND 83 03
64	2.00	0.160	0.50	0.85	58	865	40	10 797	1 362.2	1981	83 10 - SUSP 84 05
64	7.50	0.140	0.55	0.85	76	869	36	10 272	1 357.5	1981	84 05 - GPP
32	3.30	0.220	0.40	0.89	46	910	36	10 794	1 109.0	1983	84 06
32	2.56	0.150	0.40	0.89	37	862	35	10 685	1 085.3	1984	84 11
32	3.80	0.180	0.40	0.89	44	900	34	10 385	1 102.6	1979	85 03 - SUSP 85 01
64	4.70	0.165	0.50	0.88	47	898	38	10 178	1 286.5	1984	85 06 - ABAND 86 08
85	1.50	0.200	0.42	0.88	48	887	38	9 898	1 249.2	1985	87 12 - GPP
32	2.96	0.239	0.35	0.85	47	915	38	10 186	1 310.6	1964	70 05 - ABAND 78 03
32	1.30	0.175	0.68	0.90	40	905	35	11 010	1 047.8	1984	84 12 - SUSP 84 10
64	4.50	0.040	0.35	0.89	43	864	38	10 300	1 174.3	1980	85 12 - SUSP 83 09
64	3.60	0.060	0.25	0.85	64	875	39	10 472	1 363.7	1981	84 12 - SUSP 85 08
275					44	931	28	5 480	751.6	1969	85 11
32	2.07	0.290	0.20	0.97							
243	4.35	0.290	0.25	0.97							- GPP
65	3.66	0.270	0.25	0.96	23	910	24	5 480	741.9	1969	85 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
DAVID 041-03W4 (CONTINUED)								
LLOYDMINSTER C TOTAL	3 030.0			394.0	135.0	529.0	292.1	236.9
PRIMARY AREA	1 680.0	0.13		218.0		218.0		
WATER FLOOD AREA	1 350.0	0.13	0.10	176.0	135.0	311.0		
LLOYDMINSTER E	129.0	0.05		6.5		6.5	2.1	4.4
LLOYDMINSTER F	28.2	0.05		1.4		1.4	0.5	0.9
CUMMINGS A	112.0	0.05		5.6		5.6	2.5	3.1
CUMMINGS B	131.0	0.05		6.6		6.6	2.7	3.9
DINA A	345.0	0.05		17.3		17.3	10.4	6.9
DINA C	114.0	0.03		3.4		3.4	0.1	3.3
DINA 045-01W4								
SPARKY	863.0	0.10		86.3		86.3	71.8	14.5
SPARKY B	134.0	0.05		6.7		6.7	1.5	5.2
EDGERTON 045-04W4								
COLONY G	73.1	0.05		3.7		3.7	1.3	2.4
SPARKY A	95.2	0.05		4.8		4.8	1.2	3.6
SPARKY B	15.1	0.70		1.1		1.1	0.4	0.7
GENERAL PETROLEUM A	325.0	0.05		16.3		16.3	0.1	16.2
LLOYDMINSTER A	151.0	<0.04		6.0		6.0	6.0	
LLOYDMINSTER B	200.0	<0.01		0.5		0.5	0.5	
LLOYDMINSTER C	53.1	<0.02		0.6		0.6	0.6	
LLOYDMINSTER D	55.6	<0.01		0.1		0.1	0.1	
LLOYDMINSTER E	131.0	0.08		10.5		10.5	6.9	3.6
DETRITAL B	9.8	0.05		0.5		0.5		0.5
D-2 D	2 260.0	0.10		226.0		226.0	49.8	176.2
D-2A & CAMROSE A	909.0	0.10		90.9		90.9	18.2	72.7
ENCHANT 014-16W4								
UPPER MANNVILLE B	219.0	0.06		13.1		13.1	11.4	1.7
UPPER MANNVILLE D	605.0	<0.01		2.6		2.6	2.6	
UPPER MANNVILLE H	40.4	0.10		4.0		4.0	3.7	0.3
UPPER MANNVILLE I	112.0	0.06		6.7		6.7	3.6	3.1
UPPER MANNVILLE M	50.7	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	332.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	122.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	178.0	0.05		8.9		8.9	1.9	7.0
SUNBURST A	189.0	<0.01		1.8		1.8	1.8	
ELLIS A	243.0	0.05		12.2		12.2	5.6	6.6
ELLIS B	141.0	0.15		21.2		21.2	12.2	9.0
ELLIS C	800.0	0.15		120.0		120.0	33.8	86.2
ELLIS D	1 000.0	0.25		250.0		250.0	147.9	102.1
ESTHER 032-02W4								
UPPER MANNVILLE B	1 000.0	0.10		100.0		100.0	81.1	18.9
UPPER MANNVILLE F	88.0	0.10		8.8		8.8	3.9	4.9
UPPER MANNVILLE I	145.0	0.10		14.5		14.5	6.8	7.7
UPPER MANNVILLE J	68.4	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE K	71.9	0.05		3.6		3.6	1.3	2.3
UPPER MANNVILLE L	87.6	0.20		17.5		17.5	13.5	4.0
BANFF G	59.1	0.15		8.9		8.9	3.7	5.2
BANFF H	30.8	0.05		1.5		1.5	0.8	0.7
BAKKEN A	80.0	0.03		2.4		2.4	0.2	2.2
EYREMORE 018-18W4								
LOWER MANNVILLE A	331.0	<0.01		0.1		0.1	0.1	
FERGUSON 003-17W4								
LOWER MANNVILLE A	373.0	0.05		18.7		18.7	6.1	12.6
GILBY 041-03W5								
RUNDLE K	625.0	0.02		12.6		12.6	9.4	3.2
GLADYS 020-27W4								
RUNDLE D	366.0	<0.01		0.1		0.1	0.1	
GLENEVIS 055-04W5								
BANFF	3 620.0	0.45		1 630.0		1 630.0	1 299.7	330.3
GRAINDALE 026-02W4								
LOWER MANNVILLE C	83.0	<0.01		0.8		0.8	0.8	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
464					18	911	28	5 380	766.3	1975	87 02
192	4.20	0.270	0.18	0.94							
272	2.39	0.270	0.18	0.94							- GPP
32	2.00	0.300	0.30	0.96	14	908	30	5 251	755.6	1983	85 10
16	1.10	0.300	0.45	0.97	10	908	31	4 549	775.6	1985	86 07
64	1.00	0.270	0.33	0.97	7	956	29	5 575	792.0	1981	85 08 - SUSP 86 10
32	1.80	0.300	0.22	0.97	10	910	32	5 221	778.6	1985	85 09
32	5.41	0.270	0.24	0.97	11	917	31	5 307	788.5	1981	84 10 - GPP
16	3.50	0.300	0.30	0.97	7	910	27	4 992	779.0	1984	85 10 - SUSP 86 06
226	2.06	0.290	0.32	0.94	13	972	25	4 340	554.7	1948	85 12 - GPP
32	2.79	0.290	0.46	0.96	10	961	28	4 204	545.2	1985	86 09
16	2.90	0.250	0.35	0.97	13	938	25	4 052	644.0	1979	82 06
16	8.00	0.200	0.60	0.93	27	855	29	3 445	648.0	1984	85 03
16	1.00	0.280	0.65	0.96	12	955	25	4 217	637.5	1980	86 01 - SUSP 87 01
64	4.20	0.260	0.50	0.93	27	855	29	4 773	640.2	1984	85 05
16	5.18	0.240	0.21	0.96	12	940	25	4 275	685.5	1975	78 12 - SUSP 83 05
16	4.90	0.330	0.20	0.96	12	934	25	4 260	674.5	1977	78 05 - SUSP 85 01
16	2.00	0.270	0.36	0.96	14	959	33	4 700	655.2	1980	80 07 - SUSP 84 08
16	2.00	0.270	0.33	0.96	12	951	25	3 800	686.5	1980	84 12 - SUSP 83 05
32	1.80	0.300	0.21	0.96	12	946	25	4 311	703.9	1979	85 12 - GPP
16	0.60	0.190	0.44	0.96	14	959	28	4 264	633.5	1984	84 11
341	6.35	0.170	0.36	0.96	17	959	25	4 166	639.6	1983	87 07
110	7.79	0.170	0.35	0.96	17	959	25	4 552	646.6	1983	87 08
64	2.65	0.240	0.40	0.89	48	915	30	11 310	978.7	1966	82 12 - GPP
361	1.52	0.200	0.38	0.89	56	915	27	10 650	983.9	1968	70 02 - SUSP 70 12
16	3.10	0.140	0.35	0.90	46	919	23	11 470	1 014.1	1977	79 12
65	1.83	0.180	0.38	0.85	62	855	24	10 870	1 015.3	1977	86 12
16	2.50	0.210	0.33	0.90	35	931	60	9 850	1 041.5	1981	83 02 - ABAND 86 09
65	4.57	0.220	0.40	0.85	53	855	38	11 510	1 040.9	1968	69 06 - ABAND 69 09
32	3.00	0.220	0.35	0.89	15	922	24	12 130	1 093.9	1978	85 12
64	3.00	0.160	0.35	0.89	53	855	34	11 180	999.8	1978	79 12
65	3.96	0.150	0.40	0.82	82	855	38	11 190	1 032.7	1976	84 12 - SUSP 82 12
64	3.00	0.240	0.40	0.88	15	880	30	5 000	1 028.1	1953	86 05 - GPP
64	2.51	0.220	0.54	0.87	53	934	28	10 815	989.3	1983	87 08
128	3.92	0.240	0.30	0.95	15	875	34	11 052	991.4	1985	87 07 - GPP
322	2.44	0.220	0.32	0.85	67	875	32	11 135	990.1	1981	85 12 - GPP
384	1.46	0.250	0.25	0.95	24	959	29	7 330	720.5	1977	83 12
32	2.70	0.170	0.37	0.95	22	950	25	7 081	759.0	1979	83 12 - GPP
64	1.78	0.200	0.33	0.95	20	955	29	7 105	732.8	1984	87 01
16	3.00	0.300	0.50	0.95	21	929	27	7 970	812.0	1984	85 08 - SUSP 85 06
32	1.20	0.270	0.27	0.95	40	957	27	6 521	735.6	1985	86 03
16	3.00	0.320	0.40	0.95	20	948	30	4 200	793.9	1969	87 12 - GPP
16	2.70	0.240	0.40	0.95	21	946	29	7 413	826.9	1984	87 12
16	2.30	0.160	0.45	0.95	21	959	26	7 541	812.1	1982	85 04 - GPP
32	2.70	0.160	0.40	0.95	30	973	29	7 120	790.0	1984	86 06 - SUSP 86 04
64	5.20	0.180	0.35	0.85	67	881	33	9 880	1 152.9	1978	82 12 - SUSP 78 12
64	7.15	0.150	0.44	0.97	10	935	30	9 038	908.7	1969	83 05
65	19.14	0.075	0.17	0.81	66	915	69	15 400	2 056.8	1971	75 12
32	25.50	0.120	0.55	0.83	74	948	54	18 530	2 032.5	1979	82 12 - ABAND 82 02
537	10.49	0.113	0.36	0.89	43	934	43	10 694	1 325.9	1954	79 12 - GPP
16	4.00	0.210	0.35	0.95	21	975	30	8 887	936.6	1980	81 01 - SUSP 83 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
GRAINDALE 026-02W4 (CONTINUED)								
LOWER MANNVILLE D	83.0	<0.01		0.1		0.1	0.1	
GRAND FORKS 011-13W4								
UPPER MANNVILLE A	170.0	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE B	2 950.0	0.15	0.27	443.0	797.0	1 240.0	957.6	282.4
WATER FLOOD								
UPPER MANNVILLE E	48.5	0.05		2.4		2.4	1.7	0.7
UPPER MANNVILLE F	198.0	0.10		19.8		19.8	5.5	14.3
LOWER MANNVILLE D	15 600.0	0.12	0.28	1 870.0	4 360.0	6 230.0	4 818.2	1 411.8
WATER FLOOD								
LOWER MANNVILLE H	524.0	0.30	0.05	157.0	26.2	183.0	115.2	67.8
WATER FLOOD								
LOWER MANNVILLE M	362.0	0.10		36.2		36.2	17.2	19.0
LOWER MANNVILLE N	415.0	0.10		41.5		41.5	15.3	26.2
LOWER MANNVILLE X	148.0	0.05		7.4		7.4	1.6	5.8
LOWER MANNVILLE Y	80.2	<0.05		3.3		3.3	3.3	
LOWER MANNVILLE CC	24.6	0.10		2.5		2.5	0.6	1.9
LOWER MANNVILLE EE	35.6	0.10		3.6		3.6	1.0	2.6
LOWER MANNVILLE NN	45.1	0.15		6.8		6.8	0.7	6.1
LOWER MANNVILLE PP	237.0	0.10		23.7		23.7	14.1	9.6
LOWER MANNVILLE K&V	4 500.0	0.15	0.35	675.0	1 570.0	2 250.0	1 625.2	624.8
WATER FLOOD								
SAWTOOTH A	700.0	0.18		126.0		126.0	81.7	44.3
SAWTOOTH B	580.0	0.10		58.0		58.0	22.6	35.4
SAWTOOTH C	138.0	0.15		20.7		20.7	10.8	9.9
SAWTOOTH D	700.0	0.30		210.0		210.0	99.6	110.4
SAWTOOTH E	21.9	<0.08		1.7		1.7	1.7	
SAWTOOTH F	163.0	0.10		16.3		16.3	11.7	4.6
SAWTOOTH G	33.6	0.10		3.4		3.4	1.8	1.6
SAWTOOTH H	71.3	0.10		7.1		7.1	6.2	0.9
SAWTOOTH I	691.0	0.10		69.1		69.1	45.6	23.5
SAWTOOTH J	322.0	0.25		81.0		81.0	31.4	49.6
SAWTOOTH K	32.4	0.10		3.2		3.2	0.3	2.9
SAWTOOTH L	1 530.0	0.25		383.0		383.0	203.4	179.6
SAWTOOTH N	1 640.0	0.25		410.0		410.0	144.6	265.4
SAWTOOTH O	3 670.0	0.30		1 101.0		1 101.0	526.3	574.7
SAWTOOTH Q	841.0	0.13		109.0		109.0	77.2	31.8
SAWTOOTH S	1 400.0	0.30		420.0		420.0	296.2	123.8
SAWTOOTH T	2 150.0	0.30		645.0		645.0	379.2	265.8
SAWTOOTH U	526.0	0.05		26.3		26.3	20.9	5.4
SAWTOOTH V	456.0	0.07		32.0		32.0	24.8	7.2
SAWTOOTH W	590.0	0.20		118.0		118.0	48.8	69.2
SAWTOOTH X	285.0	0.15		42.8		42.8	5.7	37.1
SAWTOOTH Y	211.0	0.10		21.1		21.1	4.2	16.9
SAWTOOTH Z	61.3	0.15		9.2		9.2	1.5	7.7
SAWTOOTH AA	22.1	<0.01		0.1		0.1		0.1
SAWTOOTH CC	57.5	0.15		8.6		8.6	5.3	3.3
SAWTOOTH EE	314.0	0.10		31.4		31.4	4.7	26.7
SAWTOOTH FF	31.8	<0.01		0.1		0.1		0.1
SAWTOOTH GG TOTAL	504.0			100.0	14.6	115.0	66.2	48.8
PRIMARY AREA	212.0	0.20		42.4		42.4		
WATER FLOOD AREA	292.0	0.20	0.05	58.0	14.6	73.0		
SAWTOOTH HH	199.0	0.10		19.9		19.9	5.3	14.6
SAWTOOTH II	879.0	0.20		176.0		176.0		176.0
SAWTOOTH JJ	220.0	0.10		22.0		22.0	0.9	21.1
SAWTOOTH LL	676.0	0.15		101.0		101.0	96.0	5.0
SAWTOOTH MM	4 240.0	<0.30	0.15	1 270.0	610.0	1 880.0	1 293.7	586.3
WATER FLOOD								
SAWTOOTH NN TOTAL	900.0			90.0	120.0	210.0	210.6	
PRIMARY AREA	100.0	0.10		10.0		10.0		
WATER FLOOD AREA	800.0	0.10	0.15	80.0	120.0	200.0		
SAWTOOTH OO TOTAL	2 060.0			300.0	700.0	1 000.0	681.5	318.5
PRIMARY AREA	64.8	<0.01		0.1		0.1		
WATER FLOOD AREA	2 000.0	0.15	0.35	300.0	700.0	1 000.0		
SAWTOOTH PP	300.0	<0.02		3.2		3.2	3.2	
SAWTOOTH QQ	32.0	0.10		3.2		3.2	1.5	1.7
SAWTOOTH RR	196.0	0.03		5.9		5.9	1.7	4.2
SAWTOOTH SS	1 750.0	0.15		263.0		263.0	203.3	59.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	4.20	0.200	0.35	0.95	25	993	33	8 334	967.7	1980	81 04 - SUSP 83 02
65	2.13	0.200	0.35	0.95	18	921	36	10 590	912.6	1972	73 03 - ABAND 73 04
267	5.84	0.270	0.27	0.96	17	887	34	10 750	921.7	1971	83 12 - GPP
32	2.20	0.150	0.52	0.96	18	886	34	10 328	912.1	1983	83 12
32	5.00	0.230	0.44	0.96	14	905	32	9 436	907.5	1984	85 05
865	9.92	0.250	0.25	0.97	30	881	31	10 620	907.7	1968	85 09 - GPP
86	3.17	0.260	0.23	0.96	21	934	32	10 620	952.2	1971	84 09 - GPP
134	2.06	0.200	0.31	0.95	21	921	33	10 766	902.5	1974	85 09
64	3.81	0.230	0.22	0.95	23	899	34	10 780	902.8	1971	85 09
16	5.20	0.240	0.23	0.96	16	933	33	10 284	901.0	1981	82 12
32	1.23	0.300	0.30	0.97	9	952	34	10 518	929.7	1972	77 12 - SUSP 85 12
32	1.50	0.120	0.55	0.95	18	888	34	8 518	912.4	1981	82 12
32	1.20	0.150	0.35	0.95	16	886	31	10 507	867.8	1982	83 02 - SUSP 86 07
32	1.70	0.150	0.43	0.97	11	904	28	11 672	869.4	1984	85 03
32	4.00	0.260	0.25	0.95	10	887	37	10 154	894.0	1975	85 09
384	5.88	0.250	0.16	0.95	18	892	32	11 301	908.9	1973	85 09 - GPP
190	2.93	0.210	0.37	0.95	18	892	42	10 720	884.2	1965	87 12 - GPP
220	2.53	0.180	0.39	0.95	18	909	42	10 760	934.7	1978	86 05 - GPP
32	3.50	0.200	0.35	0.95	20	922	30	10 370	897.5	1980	86 12 - GPP
118	5.32	0.230	0.49	0.95	20	912	31	10 531	938.3	1980	87 07 - GPP
16	1.00	0.240	0.40	0.95	17	935	39	10 819	951.0	1981	86 12 - SUSP 86 01
64	2.80	0.120	0.20	0.95	18	903	42	10 846	898.9	1979	83 12
32	0.90	0.150	0.18	0.95	18	931	42	10 561	933.2	1980	83 12
64	1.00	0.170	0.31	0.95	20	4	37	10 563	953.5	1978	79 05
128	3.20	0.240	0.26	0.95	18	892	42	10 124	900.6	1958	85 12 - GPP
80	3.33	0.240	0.47	0.95	19	891	32	10 595	885.0	1983	87 03 - GPP
16	2.81	0.217	0.65	0.95	20	90	33	10 268	932.9	1983	84 10 - SUSP 86 10
221	5.43	0.230	0.41	0.94	22	910	32	5 200	864.8	1979	87 12 - GPP
96	10.20	0.260	0.32	0.95	18	907	34	10 460	913.6	1984	87 12 - GPP
487	5.75	0.230	0.40	0.95	21	887	33	10 860	906.0	1966	87 12 - GPP
200	2.93	0.260	0.42	0.95	16	921	31	10 472	936.3	1975	86 12 - GPP
222	4.29	0.230	0.32	0.94	21	886	33	10 600	813.8	1965	86 12 - GPP
219	5.99	0.240	0.28	0.95	21	886	33	10 300	880.5	1965	86 12 - GPP
96	5.02	0.230	0.50	0.95	15	905	34	10 172	898.5	1953	86 05 - GPP
64	5.17	0.250	0.42	0.95	15	905	34	10 260	923.2	1953	87 05 - GPP
80	5.41	0.230	0.37	0.94	25	910	32	10 515	868.9	1980	87 12 - GPP
32	7.80	0.240	0.50	0.95	20	920	30	10 222	915.3	1985	86 02
32	4.20	0.220	0.25	0.95	14	900	34	10 086	907.0	1985	86 03 - GPP
32	2.10	0.190	0.50	0.96	16	906	47	10 269	938.4	1985	86 03
32	1.10	0.165	0.60	0.95	20	911	30	10 090	941.3	1985	86 03 - ABAND 86 06
16	2.50	0.275	0.45	0.95	15	905	34	2 979	906.3	1985	86 05
48	5.54	0.230	0.46	0.95	19	899	33	10 086	929.6	1986	87 11 - GPP
16	1.22	0.260	0.35	0.95	19	887	34	10 410	943.1	1974	83 12 - SUSP 76 05
122					21	892	33	10 580	940.9	1973	87 12
58	2.00	0.260	0.26	0.95							
64	2.50	0.260	0.26	0.95							- GPP
16	7.80	0.240	0.30	0.95	1 447	888	33	10 232	894.9	1986	86 07
32	17.80	0.250	0.35	0.95	18	904	33	9 761	907.6	1986	87 02
64	4.90	0.180	0.59	0.95	15	922	34	2 979	900.1	1986	87 03
57	7.47	0.260	0.35	0.94	20	904	33	10 790	902.8	1965	80 12 - GPP
1 082	2.30	0.250	0.29	0.96	18	887	31	10 780	917.7	1957	86 06 - GPP
153					40	946	32	10 650	908.9	1971	83 12 - GPP
25	2.50	0.230	0.30	0.96							
128	4.45	0.240	0.39	0.96							
461					21	887	33	10 760	933.6	1971	85 12
16	2.25	0.250	0.25	0.96							
445	2.40	0.260	0.25	0.96							- GPP
32	6.10	0.270	0.40	0.95	19	887	83	10 310	897.3	1973	85 12
16	1.29	0.180	0.12	0.98	10	946	21	10 449	948.7	1978	80 07 - SUSP 86 08
64	2.08	0.250	0.33	0.88	50	921	34	10 834	963.3	1979	82 09
219	4.90	0.250	0.29	0.92	64	941	21	10 515	955.3	1954	86 12 - GPP

TABLE 2-4

FIELD / POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GRAND FORKS 011-13W4 (CONTINUED)								
SAWTOOTH VV	377.0	0.15		56.6		56.6	44.7	11.9
SAWTOOTH WW	3 030.0			606.0	634.0	1 240.0	757.0	483.0
TOTAL								
PRIMARY AREA	348.0	0.20		69.6		69.6		
WATER FLOOD AREA	2 680.0	0.20	0.25	536.0	634.0	1 170.0		
SAWTOOTH XX	54.7	<0.01		0.1		0.1		0.1
SAWTOOTH YY	29.9	0.05		1.5		1.5	0.1	1.4
SAWTOOTH ZZ	222.0	0.15		33.3		33.3	11.0	22.3
GREENCOURT 059-09W5								
PEKISKO A & JURASSIC A	2 510.0	0.04		100.0		100.0	90.9	9.1
PEKISKO C	136.0	<0.01		0.5		0.5	0.5	
GREENCOURT EAST 059-06W5								
JURASSIC A	88.0	<0.01		0.6		0.6	0.6	
BANFF A	180.0	<0.01		0.3		0.3	0.3	
BANFF B	135.0	<0.01		0.6		0.6	0.6	
GUNN 055-03W5								
BANFF A	150.0	0.10		15.0		15.0	1.3	13.7
HAIRY HILL 055-14W4								
VIKING K	36.9	<0.01		0.1		0.1		0.1
COLONY T	60.8	<0.01		0.1		0.1	0.1	
HARO 103-06W6								
PEKISKO B	981.0	<0.01		0.1		0.1		0.1
HAYS 013-14W4								
LOWER MANNVILLE A WATER FLOOD	3 600.0	0.16	0.29	576.0	1 040.0	1 620.0	1 460.6	159.4
LOWER MANNVILLE G	108.0	0.12		13.0		13.0	11.3	1.7
LOWER MANNVILLE H	85.5	0.05		4.3		4.3		4.3
LOWER MANNVILLE I	49.6	0.10		5.0		5.0	2.9	2.1
LOWER MANNVILLE M	812.0	0.10		81.2		81.2	38.8	42.4
LOWER MANNVILLE N	12.9	0.15		2.0		2.0	1.5	0.5
LOWER MANNVILLE O	601.0	0.15		90.2		90.2	7.3	82.9
SAWTOOTH A	210.8	0.20		42.2		42.2	11.3	30.9
SAWTOOTH B	1 351.0	0.10		135.0		135.0	106.5	28.5
SAWTOOTH C	809.0	0.40		324.0		324.0	244.9	79.1
SAWTOOTH D	552.0	0.20		110.0		110.0	87.7	22.3
SAWTOOTH E	105.0	<0.01		0.2		0.2	0.2	
SAWTOOTH F	194.0	0.10		19.4		19.4	7.8	11.6
NISKU A	199.0	0.15		29.9		29.9	1.0	28.9
HAYTER 041-01W4								
UPPER MANNVILLE A	90.1	0.05		4.5		4.5	3.5	1.0
COLONY A	111.0	<0.01		0.1		0.1		0.1
COLONY B	282.0	0.05		14.1		14.1	7.1	7.0
SPARKY A TOTAL	3 742.0			262.0	92.5	355.0	269.0	86.0
PRIMARY AREA	662.0	0.07		46.3		46.3		
WATER FLOOD AREA	3 080.0	0.07	0.03	216.0	92.5	309.0		
SPARKY B	262.0	0.05		13.2		13.2	6.1	7.1
SPARKY C	162.0	0.05		8.1		8.1	1.4	6.7
SPARKY G	63.0	0.05		3.2		3.2	2.6	0.6
SPARKY H	36.2	<0.01		0.2		0.2	0.2	
SPARKY I	89.1	0.05		4.4		4.4	1.2	3.2
SPARKY J	51.4	0.10		5.1		5.1	1.9	3.2
SPARKY K	34.6	0.05		1.7		1.7	1.3	0.4
SPARKY L	378.0	0.05		18.9		18.9	5.4	13.5
SPARKY M	99.1	0.05		5.0		5.0	2.7	2.3
SPARKY N	115.0	0.05		5.7		5.7	0.2	5.5
SPARKY O	62.5	<0.01		0.2		0.2	0.2	
SPARKY P	38.4	0.05		1.9		1.9	0.5	1.4
SPARKY R	29.4	0.05		1.5		1.5	0.3	1.2
SPARKY S	74.6	0.10		7.5		7.5	0.9	6.6
SPARKY D & E	902.0	0.10		90.2		90.2	67.8	22.4
LLOYDMINSTER A	71.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER B	60.2	0.05		3.0		3.0	2.2	0.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	5.03	0.220	0.44	0.95	18	892	42	10 583	894.5	1979	86 06 - GPP
560					31	885	32	10 665	926.9	1983	86 05 - GPP
64	3.41	0.256	0.33	0.93							
496	3.40	0.255	0.33	0.93							
32	3.00	0.200	0.70	0.95	16	886	31	10 257	858.0	1983	83 11 - SUSP 83 10
16	1.80	0.180	0.40	0.96	22	895	32	10 412	910.4	1984	84 10 - SUSP 86 01
16	7.70	0.250	0.25	0.96	22	895	32	10 424	911.9	1984	84 10 - GPP
540	5.30	0.130	0.25	0.90	49	915	58	11 090	1 456.3	1961	82 12 - GPP
65	3.35	0.090	0.20	0.87	48	898	60	11 200	1 474.2	1968	69 01 - SUSP 70 05
32	3.00	0.180	0.40	0.85	46	915	70	10 799	1 247.8	1980	85 12 - SUSP 83 05
32	9.30	0.100	0.32	0.89	40	922	50	10 171	1 255.7	1981	84 12 - SUSP 84 04
32	10.78	0.074	0.40	0.88	43	934	51	9 353	1 245.8	1980	84 12 - SUSP 84 04
64	3.50	0.100	0.25	0.89	46	933	43	10 240	1 350.0	1978	80 02 - GPP
32	1.60	0.160	0.50	0.90	41	904	22	4 429	486.0	1976	85 07 - SUSP 83 11
16	2.00	0.300	0.36	0.99	10	952	20	3 648	541.0	1982	83 02 - SUSP 82 12
64	13.10	0.160	0.23	0.95	50	915	27	2 946	630.7	1980	83 05 - SUSP 84 11
386	4.94	0.280	0.25	0.90	38	865	31	10 363	950.4	1964	83 12 - GPP
64	2.14	0.160	0.44	0.88	21	887	30	10 940	963.2	1978	80 12
16	3.50	0.240	0.33	0.95	21	959	32	11 140	997.5	1978	79 06
32	1.00	0.220	0.20	0.88	37	865	28	12 218	946.0	1980	83 12
128	3.71	0.230	0.21	0.94	37	873	31	5 586	953.6	1984	87 02
16	0.70	0.170	0.28	0.94	37	878	58	6 673	970.4	1986	87 05
64	5.72	0.250	0.27	0.90	52	890	31	11 810	947.4	1983	87 10
97	2.00	0.220	0.48	0.95	20	876	30	3 250	974.5	1985	86 10
412	2.56	0.260	0.44	0.88	40	904	38	10 950	974.4	1967	86 10
218	2.68	0.270	0.43	0.90	21	898	38	10 912	963.1	1967	87 10 - GPP
96	4.02	0.250	0.35	0.88	60	887	32	10 920	952.0	1969	86 10
32	2.50	0.240	0.38	0.88	50	883	32	10 573	977.3	1982	85 08 - SUSP 86 01
64	1.89	0.260	0.33	0.92	37	893	58	10 686	953.3	1983	84 09 - GPP
64	3.40	0.138	0.19	0.82	74	895	33	12 454	1 352.7	1985	86 05
32	2.20	0.220	0.40	0.97	12	930	27	5 191	809.3	1980	83 12
16	5.20	0.250	0.45	0.97	14	951	26	4 438	618.0	1980	80 10 - SUSP 80 11
64	2.81	0.260	0.38	0.97	11	972	28	4 832	682.8	1983	84 07
1 256					13	910	29	5 690	795.2	1968	87 12
176	2.13	0.280	0.35	0.97							
1 080	1.37	0.290	0.26	0.97							
65	2.13	0.280	0.30	0.97	15	915	27	5 790	739.4	1971	73 12
64	1.54	0.260	0.35	0.97	12	921	37	5 760	776.0	1972	73 01
16	2.50	0.280	0.42	0.97	12	919	32	5 162	687.5	1979	80 06
16	1.60	0.270	0.46	0.97	19	920	23	4 800	717.6	1979	83 12 - SUSP 83 12
32	2.14	0.240	0.44	0.97	12	925	32	5 375	711.7	1980	81 05 - SUSP 86 07
16	1.30	0.300	0.15	0.97	14	921	20	5 110	744.7	1981	82 03
16	2.00	0.250	0.55	0.96	18	934	26	5 023	672.3	1980	82 03
80	2.37	0.290	0.29	0.97	11	911	31	5 790	739.5	1981	82 04
16	3.50	0.240	0.24	0.97	11	939	28	5 058	734.3	1979	80 01
32	2.40	0.280	0.45	0.97	12	920	27	5 495	737.0	1972	83 09
16	2.30	0.250	0.30	0.97	12	920	26	5 570	736.7	1983	83 11 - SUSP 85 08
16	1.50	0.300	0.45	0.97	11	925	28	5 273	718.8	1983	84 05 - SUSP 86 08
16	1.50	0.230	0.45	0.97	11	920	26	5 876	771.1	1983	84 10 - SUSP 86 05
32	1.68	0.270	0.47	0.97	10	920	27	5 778	784.9	1986	86 11
224	2.58	0.260	0.38	0.97	16	930	25	4 000	741.9	1972	86 07
16	2.20	0.300	0.30	0.96	17	904	29	3 800	754.4	1981	82 04 - SUSP 83 04
16	2.00	0.280	0.30	0.96	15	940	34	5 080	781.5	1981	82 04

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HAYTER 041-01W4 (CONTINUED)								
CUMMINGS A	57.0	0.05		2.9		2.9	1.1	1.8
DINA A TOTAL	12 290.0			788.0	948.0	1 736.0	704.0	1 032.0
PRIMARY AREA	4 937.0	0.10		494.0		494.0		
WATER FLOOD AREA	7 350.0	0.04	0.13	294.0	948.0	1 242.0		
DINA B	37 630.0	0.02		753.0		753.0	424.3	328.7
DINA C	1 402.0	0.02		28.0		28.0	13.6	14.4
DINA D	366.0	0.07		25.6		25.6	12.7	12.9
DINA F	456.0	0.03		13.7		13.7	6.0	7.7
DINA H	252.0	0.05		12.6		12.6	2.4	10.2
DINA I	4 300.0	0.05		215.0		215.0	35.7	179.3
DINA J	258.0	0.02		5.2		5.2	1.1	4.1
DINA L	158.0	<0.01		0.2		0.2	0.2	
HECTOR 016-17W4								
UPPER MANNVILLE B	158.0	0.02		3.2		3.2	1.9	1.3
HORSEFLY LAKE 008-16W4								
MANNVILLE TOTAL	6 380.0			516.0	680.0	1 200.0	1 015.7	184.3
PRIMARY AREA	721.0	0.05		36.1		36.1		
WATER FLOOD AREA	5 660.0	<0.08	0.13	480.0	680.0	1 160.0		
MANNVILLE B	154.0	0.10		15.4		15.4	9.4	6.0
ISLAY 050-04W4								
CUMMINGS A	113.0	<0.01		0.1		0.1		0.1
JENNER 020-09W4								
UPPER MANNVILLE A	260.0	0.13		33.8		33.8	27.7	6.1
UPPER MANNVILLE E WATER FLOOD	3 810.0	0.10	0.15	381.0	572.0	953.0	778.8	174.2
UPPER MANNVILLE F	4 260.0	0.04		170.0		170.0	154.7	15.3
UPPER MANNVILLE M	242.0	<0.01		0.2		0.2		0.2
UPPER MANNVILLE O	5 550.0	0.05		278.0		278.0	153.2	124.8
UPPER MANNVILLE V	267.0	0.05		13.4		13.4	1.7	11.7
UPPER MANNVILLE W	80.9	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	87.4	0.10		8.7		8.7	0.6	8.1
UPPER MANNVILLE Y	16.1	0.10		1.6		1.6	0.8	0.8
UPPER MANNVILLE Z	173.0	0.05		8.7		8.7	0.3	8.4
LOWER MANNVILLE A	259.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE C	60.3	0.05		3.0		3.0	1.2	1.8
PEKISKO A	95.3	<0.07		6.1		6.1	6.1	
PEKISKO B	466.0	<0.01		0.3		0.3	0.3	
PEKISKO C	106.0	<0.01		0.1		0.1	0.1	
PEKISKO D	501.0	<0.01		0.2		0.2	0.2	
PEKISKO E	50.7	<0.01		0.1		0.1		0.1
JOHNSON 016-14W4								
GLAUCONITIC A	488.0	0.10		48.8		48.8	20.6	28.2
GLAUCONITIC B TOTAL	950.0			142.5	179.6	322.1	92.1	230.0
PRIMARY AREA	52.0	0.15		7.8		7.8		
WATER FLOOD AREA	898.0	0.15	0.20	134.7	179.6	314.3		
GLAUCONITIC C	639.0	0.10		63.9		63.9	31.9	32.0
GLAUCONITIC E	148.0	0.10		14.8		14.8	7.7	7.1
JUMPBUSH 020-19W4								
UPPER MANNVILLE B	1 000.0	0.10		100.0		100.0	54.0	46.0
UPPER MANNVILLE H	747.0	0.10		74.7		74.7	27.4	47.3
LOWER MANNVILLE A	66.0	0.03		2.0		2.0	0.9	1.1
KEHO 011-22W4								
BANFF A	46.8	<0.02		0.8		0.8	0.8	
KILLAM 043-10W4								
COLONY F	140.0	0.05		7.0		7.0	3.8	3.2
LOWER MANNVILLE A	58.1	<0.02		0.7		0.7	0.7	
ELLERSLIE CC	229.0	<0.01		1.6		1.6	1.6	
KIRKWALL 027-05W4								
COLONY A	110.0	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	2.50	0.210	0.30	0.97	10	911	33	4 713	758.7	1981	82 04
707					13	921	24	5 190	788.6	1969	87 12
308	6.80	0.300	0.19	0.97							
399	8.01	0.300	0.21	0.97							- GPP
1 384	11.24	0.290	0.14	0.97	20	965	28	5 500	778.5	1969	86 10
112	7.03	0.270	0.32	0.97	13	958	26	5 070	782.3	1979	87 10 - GPP
32	5.24	0.300	0.25	0.97	9	938	34	5 140	700.5	1979	87 12
32	7.00	0.280	0.25	0.97	12	970	29	5 095	823.6	1980	81 12 - GPP
16	8.40	0.280	0.31	0.97	11	970	30	5 595	771.6	1979	80 07 - GPP
129	12.34	0.320	0.13	0.97	11	960	27	5 530	765.0	1984	86 02 - GPP
16	6.50	0.320	0.20	0.97	11	970	31	5 118	777.6	1984	84 02
16	6.00	0.280	0.37	0.93	15	989	29	4 977	858.3	1985	86 03 - ABAND 86 12
32	8.00	0.140	0.50	0.88	52	913	33	12 108	1 082.2	1982	85 12 - SUSP 86 12
1 200					16	887	33	10 200	961.6	1963	84 04
176	4.31	0.175	0.44	0.97							
1 024	5.50	0.185	0.44	0.97							
64	2.85	0.160	0.45	0.96	23	900	40	9 533	958.1	1980	86 04
16	3.50	0.300	0.30	0.96	17	978	26	6 704	701.3	1980	82 03 - ABAND 83 05
186	1.22	0.220	0.42	0.90	37	927	32	10 140	967.7	1965	86 12 - GPP
918	2.07	0.297	0.25	0.90	37	927	33	10 690	989.1	1964	76 01 - GPP
377	6.83	0.260	0.30	0.91	29	952	33	10 410	935.1	1965	80 12 - GPP
32	5.49	0.230	0.35	0.91	35	946	31	10 270	941.2	1971	74 12 - SUSP 71 10
483	6.86	0.260	0.30	0.92	37	952	33	10 510	954.3	1972	86 12 - GPP
16	9.90	0.240	0.26	0.95	37	960	35	10 042	937.7	1973	85 01 - SUSP 85 11
16	3.35	0.224	0.26	0.91	38	948	30	4 900	948.1	1983	83 10 - ABAND 85 11
16	3.73	0.230	0.33	0.95	38	941	24	10 200	912.7	1984	84 11
16	0.77	0.208	0.34	0.95	20	954	28	10 490	915.2	1984	85 01
16	5.90	0.300	0.33	0.91	29	959	32	10 170	959.6	1954	86 04
32	4.57	0.240	0.20	0.91	29	940	32	10 790	979.0	1965	67 05 - SUSP 69 11
16	3.00	0.230	0.40	0.91	42	944	32	10 569	987.5	1981	82 05 - GPP
64	3.29	0.100	0.50	0.90	81	946	33	10 890	1 001.6	1964	73 02 - ABAND 72 02
28	23.77	0.112	0.30	0.90	81	946	41	10 620	1 036.6	1966	68 02 - ABAND 69 02
32	6.10	0.120	0.50	0.90	81	946	34	10 760	991.8	1966	68 10 - SUSP 69 01
65	4.27	0.300	0.35	0.93	29	972	32	10 780	991.2	1971	72 05 - ABAND 77 02
32	5.50	0.080	0.60	0.90	41	943	33	10 695	987.3	1980	82 12 - SUSP 82 08
80	3.88	0.240	0.20	0.82	70	888	31	10 744	1 024.2	1983	85 06
117					50	891	30	10 855	1 832.3	1982	87 04 - GPP
14	2.07	0.250	0.18	0.88							
103	4.83	0.250	0.18	0.88							
64	5.67	0.250	0.20	0.88	50	888	31	8 600	1 021.4	1983	86 09
64	2.50	0.150	0.30	0.88	53	893	31	10 733	1 029.6	1983	85 12
256	3.03	0.210	0.26	0.83	73	845	40	11 360	1 329.2	1972	84 01
192	3.35	0.200	0.30	0.83	69	860	35	11 284	1 326.0	1972	85 09
16	3.08	0.210	0.25	0.85	56	887	41	11 430	1 405.8	1977	83 12
16	7.20	0.055	0.23	0.96	10	964	51	21 124	1 720.3	1980	81 06 - ABAND 84 10
16	4.20	0.330	0.24	0.83	209	908	26	5 237	702.1	1979	80 11
16	1.93	0.260	0.23	0.94	24	954	36	6 510	873.0	1978	85 12 - ABAND 83 12
32	3.70	0.260	0.20	0.93	21	908	34	6 584	962.2	1984	85 06 - ABAND 86 06
16	7.00	0.220	0.54	0.97	9	956	35	7 492	888.2	1980	83 05 - ABAND 86 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
LATHOM 020-17W4								
UPPER MANNVILLE A WATER FLOOD	4 200.0	0.15	0.35	630.0	1 470.0	2 100.0	1 819.4	280.6
UPPER MANNVILLE C WATER FLOOD	800.0	0.11	0.29	88.0	232.0	320.0	264.2	55.8
UPPER MANNVILLE D	262.0	0.15		39.3		39.3	31.9	7.4
UPPER MANNVILLE E	87.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE H	188.0	0.10		18.8		18.8		18.8
LOWER MANNVILLE A	266.0	0.10		26.6		26.6	16.0	10.6
LOWER MANNVILLE B	72.1	<0.02		0.9		0.9	0.9	
LOWER MANNVILLE C	508.0	0.05		25.4		25.4	0.9	24.5
LEAMAN 057-09W5								
PEKISKO A	98.0	<0.06		5.6		5.6	5.6	
PEKISKO B	33.2	<0.01		0.1		0.1	0.1	
PEKISKO C	31.3	<0.01		0.1		0.1	0.1	
LECKIE 019-17W4								
UPPER MANNVILLE B	429.0	0.05		21.5		21.5	19.5	2.0
LOWER MANNVILLE A	195.0	<0.01		1.2		1.2	1.2	
LITTLE BOW 015-19W4								
BI G,UPPER MANN BB & LOWER MANNVILLE T	494.0	0.10		49.4		49.4	35.0	14.4
UPPER MANNVILLE D TOTAL	2 383.0			95.3	165.0	260.0	103.2	156.8
PRIMARY AREA	883.0	0.04		35.3		35.3		
WATER FLOOD AREA	1 500.0	0.04	0.11	60.0	165.0	225.0		
UPPER MANNVILLE F	192.0	0.10		19.2		19.2	1.4	17.8
UPPER MANNVILLE G WATER FLOOD	1 800.0	0.10	0.25	180.0	270.0	450.0	150.5	299.5
UPPER MANNVILLE H	74.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE I WATER FLOOD	1 700.0	0.10	0.10	170.0	170.0	340.0	141.4	198.6
UPPER MANNVILLE J	210.0	0.05		10.5		10.5	5.8	4.7
UPPER MANNVILLE L TOTAL	1 125.0			56.3	100.0	156.3	69.1	87.2
PRIMARY AREA	125.0	0.05		6.3		6.3		
WATER FLOOD AREA	1 000.0	0.05	0.10	50.0	100.0	150.0		
UPPER MANNVILLE M	147.0	0.06		8.8		8.8	7.8	1.0
UPPER MANNVILLE N	21.2	<0.05		0.9		0.9	0.9	
UPPER MANNVILLE O	146.0	0.05		7.3		7.3	2.1	5.2
UPPER MANNVILLE P	400.0	0.10		40.0		40.0	23.0	17.0
UPPER MANNVILLE Q	50.4	0.07		3.5		3.5	2.1	1.4
UPPER MANNVILLE R	45.3	0.05		2.3		2.3	1.7	0.6
UPPER MANNVILLE S	2 400.0	0.03		72.0		72.0	16.5	55.5
UPPER MANNVILLE T WATER FLOOD	1 200.0	0.10	0.10	120.0	120.0	240.0	101.2	138.8
UPPER MANNVILLE U WATER FLOOD	1 700.0	0.10	0.15	170.0	255.0	425.0	133.0	292.0
UPPER MANNVILLE V	50.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE W WATER FLOOD	1 800.0	0.10	0.15	180.0	270.0	450.0	126.3	323.7
UPPER MANNVILLE Y	69.1	0.10		6.9		6.9	2.5	4.4
UPPER MANNVILLE Z	51.1	0.10		5.1		5.1	2.8	2.3
UPPER MANNVILLE CC	44.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE DD	50.5	0.10		5.1		5.1	0.5	4.6
LOWER MANNVILLE A	134.0	0.05		6.7		6.7	3.4	3.3
LOWER MANNVILLE E	234.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	86.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE I	78.3	0.10		7.8		7.8	3.9	3.9
LOWER MANNVILLE J	278.0	0.04		11.1		11.1	7.8	3.3
LOWER MANNVILLE L	48.0	0.10		4.8		4.8	1.9	2.9
LOWER MANNVILLE M	40.3	0.10		4.0		4.0	1.8	2.2
LOWER MANNVILLE N	27.4	0.10		2.7		2.7	0.4	2.3
LOWER MANNVILLE P	23.5	0.10		2.4		2.4	0.9	1.5
LOWER MANNVILLE U	57.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE V	28.4	<0.01		0.2		0.2	0.2	
LIVINGSTONE A	91.7	<0.01		0.1		0.1	0.1	
LLOYDMINSTER 050-01W5								
COLONY D	188.0	0.05		9.4		9.4	5.6	3.8
COLONY E	55.0	0.02		1.1		1.1	0.4	0.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
426	6.31	0.230	0.20	0.85	66	876	35	10 480	1 171.0	1968	83 12 - GPP
159	3.92	0.210	0.30	0.87	62	887	45	10 640	1 141.5	1970	87 02
110	2.50	0.160	0.30	0.85	66	876	35	10 270	1 174.7	1968	85 12
65	1.22	0.210	0.38	0.85	51	849	40	10 260	1 183.5	1973	74 03 - SUSP 74 02
64	2.00	0.230	0.25	0.85	66	869	32	9 990	1 218.6	1980	80 12
128	1.64	0.200	0.28	0.88	41	876	31	10 980	1 185.1	1973	80 07 - GPP
32	3.05	0.160	0.48	0.88	41	876	35	11 000	1 209.4	1973	79 01 - SUSP 78 09
64	9.00	0.210	0.50	0.84	76	901	37	11 022	1 250.7	1983	84 06 - SUSP 86 12
64	3.10	0.100	0.42	0.85	50	916	71	12 460	1 688.5	1978	79 08 - SUSP 84 07
16	6.40	0.080	0.55	0.90	37	963	61	12 423	1 650.8	1981	83 10 - SUSP 83 08
16	6.60	0.070	0.53	0.90	37	963	61	12 134	1 615.2	1981	83 10 - SUSP 83 09
87	3.05	0.250	0.25	0.86	64	887	34	10 890	1 134.2	1967	73 12
32	5.18	0.190	0.32	0.90	33	887	44	11 620	1 174.7	1967	68 10 - ABAND 69 10
96	4.27	0.200	0.33	0.90	54	934	33	12 220	1 147.0	1975	84 09
592					66	904	56	12 270	1 184.5	1968	86 12
320	2.25	0.190	0.30	0.87							
272	4.76	0.190	0.30	0.87							
64	3.96	0.140	0.40	0.90	44	952	37	12 170	1 127.2	1969	69 03 - GPP
240	4.31	0.230	0.16	0.90	44	946	38	12 130	1 132.3	1970	87 01
65	1.22	0.190	0.45	0.90	43	921	38	13 460	1 117.7	1970	74 12 - SUSP 84 05
115	10.66	0.230	0.33	0.90	44	927	33	12 250	1 094.3	1974	85 06 - GPP
130	1.68	0.160	0.33	0.90	44	927	34	11 220	1 106.7	1974	77 12 - SUSP 86 06
144					44	927	32	11 790	1 128.0	1976	86 07
32	2.60	0.220	0.24	0.90							
112	6.10	0.220	0.26	0.90							- GPP
64	2.10	0.180	0.30	0.87	57	887	36	12 180	1 221.0	1977	81 12
16	1.20	0.170	0.28	0.90	44	928	35	12 280	1 154.4	1978	79 04 - SUSP 84 06
32	3.00	0.220	0.23	0.90	55	915	32	11 200	1 095.5	1979	85 12
64	4.47	0.210	0.26	0.90	47	864	32	10 768	1 131.9	1979	85 12 - GPP
32	2.50	0.100	0.30	0.90	68	912	36	12 200	1 159.8	1979	85 10 - GPP
32	1.73	0.130	0.30	0.90	58	922	33	11 852	1 162.8	1979	80 07 - SUSP 86 05
303	5.23	0.220	0.24	0.90	47	937	33	11 889	1 075.4	1978	87 08
85	9.20	0.240	0.29	0.90	44	927	33	12 372	1 117.2	1975	85 06 - GPP
140	6.90	0.230	0.13	0.88	49	947	31	11 263	1 126.3	1982	86 05
16	3.60	0.190	0.48	0.88	56	928	34	12 183	1 074.5	1982	83 03 - ABAND 85 10
169	7.12	0.210	0.19	0.88	49	947	32	11 827	1 127.1	1983	86 01
16	3.00	0.200	0.20	0.90	47	946	32	11 638	1 134.8	1983	83 06 - SUSP 83 07
16	1.80	0.240	0.16	0.88	56	928	34	11 638	1 117.7	1972	83 09
16	2.00	0.240	0.35	0.90	47	946	32	11 915	1 169.3	1982	84 02 - ABAND 86 10
16	2.70	0.200	0.35	0.90	44	934	34	12 179	1 144.1	1983	84 09 - SUSP 86 04
32	5.40	0.160	0.48	0.93	37	951	30	12 240	1 140.6	1968	84 06 - GPP
65	2.13	0.250	0.25	0.90	43	934	41	12 480	1 215.8	1973	77 03 - SUSP 77 09
32	2.70	0.170	0.35	0.90	44	940	38	12 410	1 193.9	1976	79 12 - SUSP 80 10
16	4.27	0.180	0.30	0.90	46	946	33	11 970	1 114.0	1977	77 12 - GPP
16	9.45	0.230	0.12	0.90	44	965	36	12 820	1 198.2	1977	85 12 - GPP
16	3.00	0.170	0.35	0.90	35	950	35	12 730	1 181.0	1979	79 10 - GPP
32	1.00	0.200	0.30	0.90	85	970	31	12 070	1 205.8	1979	85 12 - GPP
32	0.80	0.170	0.30	0.90	46	952	33	12 470	1 165.4	1978	80 06
16	1.60	0.170	0.40	0.90	46	951	31	12 203	1 136.2	1979	80 05 - GPP
16	3.80	0.185	0.45	0.93	37	952	30	11 542	1 219.5	1981	83 08 - SUSP 83 11
16	2.30	0.140	0.40	0.92	37	951	30	12 346	1 175.8	1982	84 02 - SUSP 84 10
64	4.00	0.070	0.45	0.93	21	985	42	12 898	1 212.3	1982	83 01 - ABAND 85 05
32	3.26	0.280	0.35	0.99	8	983	25	2 880	547.1	1977	79 06 - GPP
16	1.86	0.300	0.37	0.98	10	961	28	2 970	539.2	1977	79 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
LLOYDMINSTER 050-01W5 (CONTINUED)								
COLONY F	300.0	0.05		15.0		15.0	8.3	6.7
COLONY G	113.0	0.05		5.6		5.6	4.9	0.7
COLONY H	48.0	<0.03		1.1		1.1	1.1	
COLONY I	32.0	<0.01		0.1		0.1	0.1	
COLONY J	106.0	0.05		5.3		5.3	4.0	1.3
COLONY K	40.9	0.05		2.1		2.1	0.7	1.4
COLONY N	61.6	0.05		3.1		3.1	1.0	2.1
COLONY O	45.7	0.05		2.3		2.3	0.6	1.7
COLONY T	307.0	<0.01		0.6		0.6	0.6	
MCLAREN A	1 226.0	0.05		61.3		61.3	9.4	51.9
WASECA A	141.0	0.05		7.1		7.1	0.5	6.6
SPARKY B	12 400.0	<0.06		698.0		698.0	450.1	247.9
SPARKY F	8 040.0	0.04		321.0		321.0	286.8	34.2
SPARKY G	19 500.0	0.05		975.0		975.0	619.9	355.1
SPARKY H	1 800.0	0.05		90.0		90.0	51.7	38.3
SPARKY J	3 180.0	0.04		127.0		127.0	89.6	37.4
SPARKY K	21 200.0	0.04		848.0		848.0	656.4	191.6
SPARKY L	793.0	0.03		23.8		23.8	13.9	9.9
SPARKY M	267.0	0.05		13.4		13.4	1.6	11.8
SPARKY N	28.1	<0.03		0.8		0.8	0.8	
SPARKY O	337.0	<0.01		0.9		0.9	0.9	
SPARKY P	651.0	0.02		13.0		13.0	7.0	6.0
SPARKY Q	4 880.0	<0.02		64.7		64.7	64.7	
SPARKY R	3 050.0	0.04		122.0		122.0	83.6	38.4
SPARKY S	365.0	<0.02		6.0		6.0	4.8	1.2
SPARKY T	186.0	0.03		5.6		5.6	5.6	
SPARKY U	183.0	<0.02		3.0		3.0	3.0	
SPARKY X	2 860.0	0.01		28.6		28.6	17.2	11.4
SPARKY EE	549.0	0.03		16.5		16.5	12.2	4.3
SPARKY FF	408.0	<0.01		0.4		0.4	0.4	
SPARKY KK	1 610.0	0.05		80.5		80.5	48.7	31.8
SPARKY NN	143.0	<0.01		0.4		0.4	0.4	
SPARKY OO	355.0	<0.01		0.2		0.2	0.2	
SPARKY QQ	46.3	<0.02		0.5		0.5	0.5	
SPARKY RR	124.0	<0.02		1.3		1.3	1.3	
SPARKY SS	201.0	<0.01		0.1		0.1	0.1	
SPARKY TT	144.0	<0.01		0.8		0.8	0.8	
SPARKY UU	105.0	<0.01		0.1		0.1	0.1	
SPARKY VV	1 220.0	0.05		61.0		61.0	10.0	51.0
SPARKY WW	263.0	<0.01		0.1		0.1		0.1
SPARKY XX	760.0	0.05		38.0		38.0	27.8	10.2
SPARKY YY	89.1	<0.01		0.2		0.2	0.2	
SPARKY ZZ	122.0	<0.01		0.5		0.5	0.5	
SPARKY C & GENERAL PETROLEUM A	24 300.0	0.06		1 460.0		1 460.0	1 210.9	249.1
SPARKY & GENERAL PETROLEUM C&D TOT	76 700.0			3 810.0	310.0	4 120.0	2 818.4	1 301.6
PRIMARY AREA	66 200.0	<0.04		2 760.0		2 760.0		
WATER FLOOD AREA	10 500.0	0.10	0.03	1 050.0	310.0	1 360.0		
SPARKY E & GENERAL PETROLEUM F	6 940.0	<0.07		445.0		445.0	327.6	117.4
SPARKY D & GENERAL PETROLEUM B	3 610.0	0.03		108.0		108.0	81.9	26.1
SPARKY I & GENERAL PETROLEUM K	10 300.0	<0.05		416.0		416.0	330.7	85.3
SPARKY AAA	520.0	0.04		20.8		20.8	9.6	11.2
SPARKY BBB	236.0	0.05		11.8		11.8	4.3	7.5
SPARKY EEE	126.0	<0.01		0.1		0.1		0.1
SPARKY FFF	93.9	<0.01		0.1		0.1	0.1	
SPARKY GGG	177.0	0.05		8.9		8.9	2.4	6.5
SPARKY HHH	71.0	<0.01		0.2		0.2	0.2	
SPARKY III	149.0	0.05		7.5		7.5	4.9	2.6
SPARKY JJJ	228.0	0.03		6.8		6.8	1.5	5.3
SPARKY KKK	137.0	<0.01		1.0		1.0	1.0	
SPARKY LLL	336.0	0.05		16.8		16.8	3.4	13.4
SPARKY MMM	60.9	<0.02		1.0		1.0	1.0	
SPARKY NNN	32.9	0.01		0.3		0.3	0.3	
SPARKY OOO	297.0	0.05		14.9		14.9	6.4	8.5
SPARKY PPP	49.4	<0.01		0.1		0.1	0.1	
SPARKY QQQ	71.4	0.05		3.6		3.6	0.9	2.7
SPARKY SSS	166.0	0.02		3.3		3.3	1.2	2.1

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
38	2.77	0.320	0.10	0.99	11	975	28	3 060	548.2	1977	80 12 - GPP
16	3.70	0.320	0.40	0.99	9	962	24	3 000	542.3	1978	79 10 - GPP
8	2.10	0.320	0.10	0.99	10	962	28	3 010	540.6	1975	79 12 - ABAND 84 10
8	2.10	0.320	0.40	0.99	10	980	28	3 020	541.9	1977	84 12 - SUSP 81 08
32	2.00	0.280	0.40	0.99	10	981	28	3 120	542.7	1982	85 12 - GPP
4	4.30	0.320	0.25	0.99	10	970	22	3 447	591.7	1979	84 04
8	4.90	0.270	0.40	0.97	12	988	25	3 050	545.8	1980	84 07
4	5.50	0.300	0.30	0.99	10	985	28	3 050	573.0	1983	84 08
16	7.30	0.320	0.17	0.99	12	977	25	3 234	495.6	1985	86 05 - ABAND 86 11
128	4.57	0.310	0.31	0.98	12	965	24	3 953	559.0	1983	87 12
16	3.70	0.300	0.20	0.99	9	983	27	3 940	531.7	1982	82 08 - GPP
747	6.18	0.320	0.15	0.99	10	959	19	3 718	583.2	1966	86 11 - GPP
712	3.96	0.320	0.10	0.99	10	959	22	4 010	588.3	1947	77 12 - GPP
1 631	5.44	0.300	0.26	0.99	10	959	22	4 070	599.8	1963	85 12
232	2.72	0.320	0.10	0.99	10	959	22	3 830	544.7	1961	85 12 - GPP
339	3.29	0.320	0.10	0.99	10	959	22	3 990	576.7	1956	76 12
2 397	3.45	0.320	0.19	0.99	10	959	22	3 920	579.0	1947	84 12 - GPP
93	2.99	0.320	0.10	0.99	10	959	22	3 920	574.9	1951	86 07
32	2.90	0.320	0.10	0.99	10	959	22	4 030	595.0	1945	85 06
16	0.61	0.320	0.10	0.99	10	959	22	4 060	598.6	1944	71 06 - ABAND 54 10
32	3.66	0.320	0.10	0.99	10	959	22	4 010	582.8	1940	71 06 - ABAND 56 06
64	3.78	0.320	0.15	0.99	15	980	22	4 050	590.1	1964	87 12 - GPP
377	4.54	0.320	0.10	0.99	10	959	22	4 020	577.6	1944	82 12 - SUSP 77 09
240	5.03	0.300	0.15	0.99	10	959	22	4 030	577.9	1967	83 12 - GPP
32	3.96	0.320	0.10	0.99	10	959	22	4 090	600.8	1965	75 07 - GPP
32	2.01	0.320	0.10	0.99	10	959	22	4 020	577.9	1952	71 06 - ABAND 65 10
16	3.96	0.320	0.10	0.99	10	959	22	4 060	577.3	1948	71 06 - ABAND 55 01
228	5.09	0.300	0.17	0.99	6	959	22	4 840	580.0	1974	85 12 - GPP
80	3.04	0.300	0.24	0.99	10	986	22	3 480	569.5	1977	86 12 - GPP
32	5.30	0.300	0.19	0.99	12	979	21	3 380	576.0	1977	83 12 - SUSP 81 07
187	3.72	0.300	0.22	0.99	12	977	24	3 500	565.8	1982	86 11
16	5.00	0.270	0.33	0.99	9	986	27	3 940	568.8	1977	83 12 - SUSP 81 06
16	8.50	0.310	0.15	0.99	9	959	16	3 630	616.3	1978	79 02 - SUSP 85 04
16	1.50	0.300	0.35	0.99	9	985	27	4 070	594.3	1978	83 12 - SUSP 81 12
16	3.30	0.300	0.21	0.99	9	972	23	3 960	572.9	1978	84 12 - SUSP 84 05
16	5.50	0.320	0.28	0.99	9	985	27	4 000	592.8	1978	79 05 - ABAND 84 07
8	6.90	0.340	0.21	0.97	10	975	22	2 640	564.6	1978	83 12 - ABAND 82 10
16	2.90	0.300	0.24	0.99	9	979	27	4 240	627.1	1978	84 12 - ABAND 86 09
80	5.85	0.310	0.15	0.99	10	980	22	4 010	588.5	1979	85 08 - GPP
16	6.10	0.320	0.14	0.98	10	961	24	2 460	548.7	1978	82 12 - ABAND 85 10
108	3.20	0.280	0.19	0.97	10	982	24	2 460	563.6	1978	82 08 - GPP
16	3.00	0.280	0.33	0.99	9	982	25	3 888	528.5	1980	83 12 - ABAND 86 06
16	3.80	0.270	0.25	0.99	8	975	25	4 840	619.7	1980	81 07 - ABAND 85 10
2 162	3.95	0.320	0.10	0.99	10	959	22	4 020	588.0	1948	82 12 - GPP
7 426					10	959	22	4 020	599.5	1939	84 12 - GPP
6 681	3.47	0.320	0.10	0.99							
745	4.94	0.320	0.10	0.99							
513	4.74	0.320	0.10	0.99	10	959	22	3 970	563.6	1951	79 06 - GPP
320	3.96	0.320	0.10	0.99	10	959	22	3 970	573.0	1968	75 07 - GPP
862	4.19	0.320	0.10	0.99	10	959	22	3 990	583.7	1944	79 07 - GPP
64	4.10	0.290	0.31	0.99	9	986	25	3 200	606.2	1980	84 12
32	2.93	0.310	0.18	0.99	10	958	28	3 949	559.0	1980	82 06
16	3.80	0.280	0.25	0.99	9	985	27	4 062	594.6	1981	82 08 - ABAND 83 05
16	2.50	0.300	0.21	0.99	9	988	27	4 103	598.3	1981	82 08 - SUSP 83 11
16	4.50	0.310	0.20	0.99	9	959	28	4 093	597.3	1982	82 11
16	2.30	0.300	0.35	0.99	9	971	23	4 070	595.4	1982	83 01 - SUSP 84 12
32	2.40	0.280	0.30	0.99	10	962	22	3 480	553.7	1982	85 12
16	7.00	0.300	0.30	0.97	10	975	22	4 060	598.5	1982	85 12
8	7.77	0.320	0.29	0.97	10	975	26	4 125	624.9	1979	84 01 - SUSP 84 12
48	3.19	0.300	0.26	0.99	10	975	54	3 960	572.5	1982	84 03
4	7.00	0.330	0.32	0.97	10	975	22	4 820	618.0	1979	83 09 - SUSP 85 11
16	1.00	0.300	0.30	0.98	8	981	22	4 200	622.3	1983	80 03 - ABAND 84 05
32	3.50	0.330	0.18	0.98	8	941	19	3 771	556.4	1983	85 12
16	1.50	0.300	0.30	0.98	8	981	22	4 190	628.3	1983	83 11 - SUSP 85 01
16	2.30	0.280	0.30	0.99	10	990	25	4 060	599.8	1983	84 03
16	5.00	0.300	0.30	0.99	9	980	27	4 050	592.0	1984	84 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
LLOYDMINSTER 050-01W5 (CONTINUED)								
SPARKY TTT	150.0	<0.01		0.6		0.6	0.6	
SPARKY UUU	155.0	0.05		7.8		7.8	0.9	6.9
SPARKY WWW	73.2	0.05		3.7		3.7	1.4	2.3
SPARKY XXX	186.0	0.02		3.7		3.7	1.9	1.8
SPARKY YYY	149.0	0.05		7.5		7.5	0.1	7.4
SPARKY ZZZ	1 740.0	0.05		87.0		87.0	13.2	73.8
SPARKY A2A	236.0	0.05		11.8		11.8	4.2	7.6
SPARKY B2B	157.0	0.05		7.9		7.9	1.6	6.3
SPARKY C2C	94.7	0.07		6.6		6.6	4.9	1.7
SPARKY D2D	218.0	0.05		10.9		10.9	0.7	10.2
SPARKY E2E	570.0	0.05		28.5		28.5	3.7	24.8
SPARKY F2F	97.2	0.15		14.6		14.6	10.1	4.5
SPARKY G2G	274.0	0.05		13.7		13.7	6.2	7.5
SPARKY I2I	138.0	0.05		6.9		6.9		6.9
SPARKY J2J	90.2	0.05		4.5		4.5	0.1	4.4
GENERAL PETROLEUM E	186.0	0.05		9.4		9.4	0.1	9.3
GENERAL PETROLEUM I	1 330.0	0.02		26.6		26.6	14.6	12.0
GENERAL PETROLEUM J	921.0	0.05		46.1		46.1	24.6	21.5
GENERAL PETROLEUM L	47.5	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM M	860.0	0.05		43.0		43.0	24.6	18.4
GENERAL PETROLEUM N	509.0	0.05		25.5		25.5	13.3	12.2
GENERAL PETROLEUM O	56.0	<0.01		0.1		0.1		0.1
GENERAL PETROLEUM Q	597.0	0.05		29.9		29.9	0.7	29.2
GENERAL PETROLEUM R	223.0	0.05		11.2		11.2	2.5	8.7
GENERAL PETROLEUM S	83.2	0.05		4.2		4.2	2.4	1.8
GENERAL PETROLEUM T	106.0	0.05		5.3		5.3	0.1	5.2
GENERAL PETROLEUM U	57.0	0.05		2.9		2.9		2.9
GENERAL PETROLEUM V	175.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM W	136.0	0.05		6.8		6.8	0.5	6.3
GENERAL PETROLEUM X	715.0	0.05		35.8		35.8	0.8	35.0
REX A	706.0	0.03		21.2		21.2	2.7	18.5
LLOYDMINSTER A	176.0	0.03		5.3		5.3	4.4	0.9
LLOYDMINSTER B	392.0	0.01		3.9		3.9	1.6	2.3
LLOYDMINSTER D	165.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER E	170.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER F	175.0	0.02		3.5		3.5	2.4	1.1
LLOYDMINSTER G	179.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER I	89.6	0.05		4.5		4.5	0.5	4.0
LLOYDMINSTER K	271.0	0.05		13.6		13.6	1.2	12.4
LLOYDMINSTER M	2 150.0	0.05		108.0		108.0	25.3	82.7
CUMMINGS A	359.0	0.03		10.8		10.8	3.6	7.2
CUMMINGS B	487.0	0.05		24.4		24.4	18.3	6.1
CUMMINGS C	66.1	<0.01		0.5		0.5	0.5	
CUMMINGS D	238.0	0.05		11.9		11.9	1.6	10.3
CUMMINGS E	58.7	<0.01		0.1		0.1		0.1
CUMMINGS F	169.0	0.03		5.1		5.1	0.5	4.6
CUMMINGS G	155.0	0.05		7.7		7.7	0.5	7.2
MAJEAU 056-04W5								
LOWER MANNVILLE A	39.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE B	62.5	0.10		6.3		6.3	1.4	4.9
LOWER MANNVILLE D	64.7	0.10		6.5		6.5	2.6	3.9
LOWER MANNVILLE F	147.0	0.10		14.7		14.7	1.2	13.5
BANFF B	529.0	0.10		52.9		52.9	1.7	51.2
BANFF C	36.6	<0.02		0.6		0.6	0.6	
WABAMUN B	106.0	0.05		5.3		5.3	0.4	4.9
MAJORVILLE 018-19W4								
UPPER MANNVILLE B	1 627.0	0.15		244.0		244.0	150.7	93.3
UPPER MANNVILLE C	297.0	0.10		29.7		29.7	12.6	17.1
UPPER MANNVILLE G	136.0	0.15		20.4		20.4	1.0	19.4
UPPER MANNVILLE H	101.0	0.10		10.1		10.1	3.0	7.1
LOWER MANNVILLE A	160.0	<0.03		4.5		4.5	4.5	
MANNVILLE 051-09W4								
UPPER MANNVILLE A	826.0	0.03		24.8		24.8	11.3	13.5
UPPER MANNVILLE B	405.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE M	420.0	<0.01		1.3		1.3	1.3	
LOWER MANNVILLE D	151.0	<0.01		0.2		0.2	0.2	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	4.50	0.300	0.30	0.99	10	992	22	3 989	264.8	1984	84 08 - ABAND 84 03
16	4.50	0.310	0.30	0.99	10	990	22	2 500	565.9	1984	84 12 - SUSP 86 06
16	2.00	0.330	0.30	0.99	10	985	25	3 980	490.8	1979	80 03 - SUSP 86 10
16	4.50	0.310	0.15	0.98	6	980	30	4 642	599.5	1984	85 01
16	4.00	0.300	0.20	0.97	10	970	27	4 090	592.0	1984	85 02 - SUSP 87 02
160	5.67	0.260	0.24	0.97	12	980	26	4 040	596.1	1984	86 06
16	6.20	0.300	0.20	0.99	9	957	41	3 940	557.5	1979	80 03
16	4.50	0.310	0.28	0.98	12	980	24	4 060	506.0	1985	86 03
16	3.39	0.200	0.10	0.97	9	999	24	3 740	511.1	1965	80 05
16	5.00	0.320	0.14	0.99	10	985	30	3 850	548.0	1985	85 08
32	7.28	0.320	0.22	0.98	10	979	19	3 274	543.4	1985	87 03
16	2.13	0.320	0.10	0.99	7	959	19	3 750	512.0	1965	86 03
16	7.00	0.330	0.25	0.99	10	986	22	4 724	549.0	1980	80 07
16	3.35	0.320	0.19	0.99	10	930	30	3 715	601.5	1974	87 03
16	2.70	0.300	0.29	0.98	8	981	22	3 747	605.2	1980	87 08
16	4.27	0.320	0.15	0.99	12	959	21	3 448	602.0	1974	75 09
198	2.76	0.300	0.18	0.99	9	974	25	3 282	599.0	1977	85 12 - GPP
96	3.94	0.300	0.18	0.99	10	984	25	3 620	588.4	1975	86 10 - GPP
8	2.74	0.270	0.20	0.99	9	979	27	3 910	588.0	1977	78 05 - SUSP 78 09
80	4.52	0.300	0.20	0.99	8	984	27	3 730	568.7	1977	85 12 - GPP
56	4.03	0.300	0.24	0.99	9	983	27	3 068	580.8	1977	87 10
8	4.00	0.270	0.35	0.99	9	972	27	3 068	615.0	1979	79 10 - ABAND 80 05
16	12.70	0.330	0.10	0.99	10	970	27	4 094	607.7	1981	82 04 - SUSP 86 03
16	5.00	0.320	0.12	0.99	9	974	25	3 719	567.5	1981	82 08
16	2.50	0.280	0.25	0.99	10	988	25	3 836	641.8	1982	82 09 - GPP
16	3.00	0.280	0.20	0.99	9	959	22	3 557	615.2	1983	83 05
8	3.00	0.300	0.20	0.99	9	983	27	3 840	575.0	1984	84 08
16	4.50	0.310	0.20	0.98	6	970	30	3 780	555.3	1984	85 07 - ABAND 85 06
16	3.50	0.310	0.21	0.99	24	930	26	4 705	571.3	1985	85 11 - SUSP 86 11
64	4.35	0.320	0.19	0.99	14	980	26	3 844	562.9	1985	86 10
16	20.00	0.300	0.25	0.98	10	965	25	4 017	600.8	1952	87 09
16	4.88	0.285	0.20	0.99	8	979	27	3 790	610.2	1973	82 12 - SUSP 83 09
32	5.70	0.310	0.30	0.99	10	959	22	3 450	605.0	1974	85 04 - GPP
16	4.20	0.310	0.20	0.99	9	973	27	4 200	605.7	1977	83 12 - SUSP 80 07
16	4.20	0.320	0.20	0.99	11	992	25	4 220	607.8	1977	83 12 - ABAND 85 10
16	4.60	0.300	0.20	0.99	8	974	27	4 200	605.4	1975	85 07
16	7.62	0.270	0.45	0.99	10	991	27	4 930	654.0	1978	79 04 - SUSP 82 08
16	2.50	0.290	0.22	0.99	22	975	25	4 239	610.0	1983	83 09
16	6.70	0.290	0.12	0.99	22	978	25	3 810	602.7	1983	84 08
108	7.72	0.310	0.16	0.99	10	983	27	4 295	684.3	1983	85 06
32	5.07	0.290	0.23	0.99	10	972	30	4 356	630.9	1977	82 10 - GPP
32	6.40	0.305	0.20	0.99	9	973	27	4 340	632.8	1977	85 12 - GPP
16	2.10	0.280	0.29	0.99	9	980	29	5 250	727.5	1978	79 06 - SUSP 85 11
16	6.30	0.280	0.15	0.99	9	988	29	4 462	655.2	1982	83 04 - SUSP 86 09
16	1.90	0.270	0.27	0.98	9	980	29	4 050	697.8	1983	83 11 - ABAND 84 05
16	4.50	0.300	0.21	0.99	90	973	29	3 844	647.8	1979	83 10
16	4.30	0.320	0.29	0.99	9	972	27	4 340	632.9	1985	86 07
32	1.40	0.170	0.35	0.80	145	920	32	9 735	1 223.0	1981	84 12 - SUSP 82 10
16	5.00	0.140	0.38	0.90	70	921	58	9 650	1 245.0	1980	80 10
32	2.50	0.150	0.35	0.83	66	934	49	9 434	1 249.6	1979	85 12
32	4.07	0.172	0.27	0.90	38	921	46	9 548	1 248.2	1980	87 03
65	8.84	0.160	0.35	0.89	43	898	44	10 450	1 319.5	1974	77 03
64	1.30	0.100	0.45	0.80	87	903	32	10 560	1 210.3	1982	83 02 - ABAND 86 02
32	8.50	0.090	0.51	0.88	51	889	47	10 472	1 388.3	1983	87 03
208	4.92	0.220	0.15	0.85	58	887	60	11 810	1 330.4	1975	87 05
65	3.05	0.240	0.26	0.85	58	887	60	12 740	1 424.3	1975	76 09 - GPP
64	2.00	0.180	0.30	0.84	72	870	40	12 125	1 382.0	1986	87 05
64	2.00	0.140	0.32	0.83	70	872	42	12 169	1 380.5	1981	82 06
64	3.66	0.160	0.50	0.85	66	876	40	12 810	1 344.5	1976	85 12 - ABAND 85 07
80	4.88	0.300	0.28	0.98	10	972	33	4 900	626.8	1971	82 12 - GPP
65	2.74	0.310	0.25	0.98	10	979	33	4 830	619.7	1971	72 12 - ABAND 72 05
65	3.05	0.310	0.30	0.98	10	979	21	3 480	586.7	1974	78 01 - SUSP 77 11
16	3.90	0.320	0.23	0.98	6	994	30	4 377	719.0	1981	82 04 - ABAND 85 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 ENHANCED 10³m³	6 TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
MATZIWIN 023-14W4								
PEKISKO A	1 050.0	0.11		116.0		116.0	102.6	13.4
PEKISKO B	168.0	<0.02		2.3		2.3	2.3	
MEDICINE HAT 012-05W4								
GLAUCONITIC C	30 920.0	0.03		928.0		928.0	149.0	779.0
LOWER MANNVILLE A	130.0	0.10		13.0		13.0	8.8	4.2
LOWER MANNVILLE C	127.0	0.10		12.7		12.7	8.9	3.8
LOWER MANNVILLE I	252.0	0.05		12.6		12.6	5.2	7.4
LOWER MANNVILLE K	70.3	<0.02		1.2		1.2	1.2	
MEDICINE RIVER 039-03W5								
ELKTON-SHUNDA B	1 120.0	0.10		112.0		112.0	94.2	17.8
MORGAN 051-04W4								
SPARKY A	5 520.0	0.05		276.0		276.0	207.7	68.3
WAINWRIGHT A	112.0	0.04		4.5		4.5	2.6	1.9
LLOYDMINSTER A	57 500.0	0.01		575.0		575.0	346.0	229.0
LLOYDMINSTER B	1 740.0	0.05		87.0		87.0	3.3	83.7
LLOYDMINSTER D	465.0	0.02		9.3		9.3	1.3	8.0
DINA A	159.0	<0.01		0.2		0.2	0.2	
NORRIS 053-18W4								
UPPER MANNVILLE H	166.0	0.05		8.3		8.3	2.7	5.6
GLAUCONITIC A	82.1	<0.01		0.6		0.6	0.6	
PADDLE RIVER 057-08W5								
RUNDLE	6 040.0	<0.04		203.6		203.6	203.6	
PARADISE 047-02W4								
CUMMINGS A	100.0	<0.01		0.1		0.1	0.1	
PENDANT D'OREILLE 003-08W4								
MANNVILLE D	427.0	<0.01		1.2		1.2	1.2	
MANNVILLE L	96.9	0.05		4.8		4.8		4.8
PLAIN 053-12W4								
COLONY E	243.0	<0.02		4.0		4.0	3.7	0.3
PRINCESS 020-11W4								
BASAL MANNVILLE E	953.0	<0.01		4.4		4.4	4.4	
BASAL MANNVILLE I	235.0	0.10		23.5		23.5	5.2	18.3
BASAL MANNVILLE O	690.0	<0.01		1.1		1.1	1.1	
BASAL MANNVILLE P	1 260.0	0.04		50.4		50.4	44.3	6.1
BASAL MANNVILLE Q	775.0	<0.01		2.8		2.8	2.8	
BASAL MANNVILLE R	248.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE U	137.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE V	182.0	0.05		9.1		9.1	4.1	5.0
BASAL MANNVILLE W	80.2	0.10		8.0		8.0	4.4	3.6
BASAL MANNVILLE X	122.0	<0.01		0.3		0.3	0.3	
PEKISKO A	1 710.0	0.15		257.0		257.0	215.6	41.4
PEKISKO B	360.0	0.07		25.2	ERSO	25.2	13.5	11.7
PEKISKO C	55.1	0.05		2.8		2.8	0.3	2.5
PEKISKO D	62.4	0.15		9.4	ERSO	9.4	7.3	2.1
PEKISKO E	80.0	0.12		9.6	ERSO	9.6	8.8	0.8
PEKISKO F	65.5	0.10		6.6		6.6	0.8	5.8
JEFFERSON A	531.0	0.10		53.1		53.1	53.1	
PROVOST 036-07W4								
MANNVILLE V	185.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE A	10 100.0	0.03		303.0		303.0	172.2	130.8
UPPER MANNVILLE B	34 200.0	0.03		1 020.0		1 020.0	422.0	598.0
UPPER MANNVILLE C	1 000.0	0.05		50.0		50.0	43.7	6.3
UPPER MANNVILLE E	133.0	0.07		9.3		9.3	6.8	2.5
UPPER MANNVILLE M	250.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE O	44.2	<0.03		1.3		1.3	1.3	
UPPER MANNVILLE U	39.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE V	75.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	33.5	<0.01		0.1		0.1		0.1
UPPER MANNVILLE BB	7 880.0	0.10		788.0		788.0	263.7	524.3
UPPER MANNVILLE CC	70.2	<0.01		0.1		0.1		0.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
296	5.40	0.104	0.30	0.90	53	915	35	9 960	1 021.1	1962	87 12 - GPP
32	6.25	0.132	0.30	0.90	53	892	35	9 860	1 008.6	1962	67 02 - ABAND 71 11
2 576	8.66	0.220	0.30	0.90	45	960	26	10 051	828.0	1984	87 10
40	2.55	0.230	0.43	0.97	9	960	31	10 000	887.8	1978	86 12 - GPP
64	2.10	0.210	0.50	0.90	44	958	27	10 060	891.0	1979	85 12 - GPP
112	2.75	0.150	0.40	0.91	37	945	30	10 202	927.3	1976	84 11 - GPP
16	2.44	0.230	0.14	0.91	35	979	32	10 516	1 030.8	1977	84 09 - SUSP 84 10
559	5.94	0.060	0.25	0.75	59	940	70	17 590	2 296.4	1973	75 12
622	4.07	0.290	0.24	0.99	9	992	21	3 450	539.6	1977	85 12 - GPP
16	4.00	0.200	0.10	0.97	9	999	24	2 650	556.0	1965	86 12
3 016	7.08	0.320	0.15	0.99	7	993	21	3 336	559.1	1976	85 02 - GPP
96	7.71	0.300	0.20	0.98	10	980	25	1 768	558.9	1983	84 12
16	10.80	0.320	0.15	0.99	12	994	25	3 325	564.0	1984	85 04
16	4.50	0.300	0.25	0.98	10	980	25	2 824	595.1	1983	84 03 - ABAND 84 07
32	2.80	0.300	0.30	0.88	30	918	35	5 698	855.2	1979	86 12
16	3.10	0.280	0.35	0.91	40	930	29	5 730	861.5	1980	81 09 - ABAND 82 03
1 616	6.92	0.075	0.20	0.90	39	959	63	12 310	1 568.5	1956	71 12 - SUSP 71 11
16	2.47	0.320	0.20	0.99	9	999	27	5 320	637.7	1977	79 08 - SUSP 83 06
65	6.40	0.210	0.40	0.82	80	910	38	8 370	863.8	1968	75 10 - ABAND 74 10
32	3.60	0.180	0.43	0.82	28	923	33	7 871	857.5	1977	81 10 - SUSP 80 07
64	2.20	0.280	0.34	0.95	11	927	29	4 910	617.2	1974	82 12 - GPP
262	3.05	0.200	0.33	0.89	53	915	33	9 960	979.9	1968	68 09 - ABAND 79 09
64	3.26	0.220	0.43	0.90	40	892	32	9 259	993.2	1965	82 11
65	8.53	0.220	0.39	0.93	32	940	34	10 380	1 004.6	1972	75 12 - SUSP 75 05
195	5.30	0.219	0.38	0.90	46	910	37	9 910	968.7	1972	75 12 - GPP
129	5.56	0.207	0.42	0.90	48	892	33	10 340	1 021.7	1972	83 12 - ABAND 83 12
64	4.03	0.184	0.42	0.90	47	927	33	9 090	964.4	1973	75 12 - ABAND 81 11
32	4.40	0.180	0.40	0.90	42	922	32	10 187	969.7	1982	83 09 - SUSP 84 10
16	11.20	0.190	0.40	0.89	45	928	33	10 393	972.0	1983	84 02
32	1.75	0.230	0.30	0.89	47	923	33	10 383	972.6	1983	85 12
32	4.80	0.170	0.48	0.90	42	918	31	10 310	994.0	1986	86 06 - SUSP 86 05
543	6.00	0.070	0.15	0.88	50	881	31	10 960	1 016.5	1946	81 12 - GPP
101	5.03	0.108	0.25	0.88	49	892	34	10 520	1 022.2	1978	87 03 - GPP
16	8.70	0.110	0.60	0.90	44	945	31	10 440	1 025.0	1982	83 01
16	5.60	0.120	0.34	0.88	49	888	34	10 730	1 037.3	1978	87 12 - GPP
32	2.81	0.140	0.28	0.88	49	881	34	10 494	1 021.2	1978	87 03 - GPP
32	5.00	0.123	0.63	0.90	43	910	32	10 707	1 017.5	1986	86 10
							38	11 070	1 017.1	1944	67 01 - ABAND 69 09
16	4.78	0.300	0.15	0.95	20	934	30	5 750	787.9	1977	83 12 - SUSP 80 05
1 048	4.14	0.300	0.20	0.97	12	965	27	5 900	779.5	1969	81 12 - GPP
1 233	12.71	0.300	0.25	0.97	11	979	24	5 450	744.3	1973	78 11 - GPP
112	4.40	0.300	0.30	0.97	16	921	26	5 790	779.7	1973	83 12
32	3.06	0.253	0.42	0.92	23	915	32	6 140	817.8	1977	85 12
16	6.55	0.300	0.18	0.97	14	972	27	6 170	822.7	1978	78 12 - SUSP 78 10
16	2.47	0.210	0.45	0.97	9	952	34	8 400	1 040.9	1977	78 10 - SUSP 83 12
16	2.10	0.240	0.50	0.97	12	969	30	5 968	915.5	1977	80 11 - SUSP 80 03
16	2.30	0.350	0.40	0.97	13	960	30	6 140	801.3	1979	80 12 - SUSP 82 05
16	1.60	0.270	0.50	0.97	12	980	27	7 179	788.2	1980	81 04 - ABAND 81 09
448	8.63	0.280	0.25	0.97	10	980	26	5 385	753.1	1977	87 12 - GPP
16	2.60	0.290	0.40	0.90	12	990	27	6 131	782.7	1980	81 07 - ABAND 86 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PROVOST 036-07W4 (CONTINUED)								
UPPER MANNVILLE DD	113.0	0.05		5.7		5.7	2.3	3.4
UPPER MANNVILLE JJ	183.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE KK	112.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE LL	44.7	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE VV	33.6	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE WW	30.4	0.05		1.5		1.5	1.1	0.4
UPPER MANNVILLE XX	53.9	0.10		5.4		5.4	3.0	2.4
UPPER MANNVILLE YY	137.0	0.10		13.7		13.7	11.6	2.1
UPPER MANNVILLE FFF	130.0	<0.01		1.1		1.1	1.1	
UPPER MANNVILLE III	213.0	0.05		10.7		10.7	1.8	8.9
UPPER MANNVILLE KKK	226.0	0.01		2.3		2.3	1.7	0.6
UPPER MANNVILLE LLL	181.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE MMM	171.0	0.10		17.1		17.1	2.0	15.1
UPPER MANNVILLE NNN	47.8	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE OOO	120.0	0.05		6.0		6.0	2.9	3.1
UPPER MANNVILLE PPP	1 330.0	0.07		93.1		93.1	28.5	64.6
UPPER MANNVILLE QQQ	292.0	0.05		14.6		14.6	1.4	13.2
UPPER MANNVILLE RRR	690.0	0.05		34.5		34.5	4.2	30.3
UPPER MANNVILLE SSS	581.0	0.01		5.8		5.8	1.6	4.2
UPPER MANNVILLE TTT	171.0	0.10		17.1		17.1	1.9	15.2
UPPER MANNVILLE UUU	129.0	0.10		12.9		12.9	1.4	11.5
UPPER MANNVILLE YYY	48.8	<0.01		0.1		0.1		0.1
UPPER MANNVILLE S2S	116.0	0.05		5.8		5.8	1.6	4.2
UPPER MANNVILLE T2T	125.0	0.05		6.3		6.3	4.6	1.7
UPPER MANNVILLE U2U	676.0	0.10		67.6		67.6	3.1	64.5
UPPER MANNVILLE V2V	39.3	0.05		2.0		2.0	1.4	0.6
UPPER MANNVILLE W2W	61.6	0.06		3.7		3.7	3.1	0.6
UPPER MANNVILLE X2X	43.7	<0.02		0.8		0.8	0.8	
UPPER MANNVILLE A3A	135.0	0.10		13.5		13.5	0.2	13.3
UPPER MANNVILLE B3B	245.0	0.02		4.9		4.9	1.2	3.7
UPPER MANNVILLE C3C	133.0	<0.01		0.1		0.1		0.1
COLONY A	81.9	0.05		4.1		4.1	0.5	3.6
COLONY B	309.0	<0.01		0.1		0.1	0.1	
COLONY C	69.7	0.05		3.5		3.5	1.8	1.7
CUMMINGS C	243.0	<0.01		0.1		0.1	0.1	
CUMMINGS D	14.3	<0.01		0.1		0.1	0.1	
CUMMINGS H	15.5	0.05		0.8		0.8	0.3	0.5
CUMMINGS J	80.0	0.05		4.0		4.0	2.7	1.3
CUMMINGS L	140.0	0.05		7.0		7.0	1.4	5.6
CUMMINGS M	211.0	0.10		21.1		21.1	7.2	13.9
CUMMINGS N	127.0	<0.03		3.7		3.7	3.7	
CUMMINGS O	33.5	0.10		3.4		3.4	1.9	1.5
CUMMINGS P	23.5	0.10		2.4		2.4	1.3	1.1
LOWER MANNVILLE C	169.0	0.10		16.9		16.9	8.5	8.4
LOWER MANNVILLE E	34.1	0.10		3.4		3.4	1.5	1.9
LOWER MANNVILLE H	96.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE J	90.9	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE Z	2 046.0	0.10		205.0		205.0	71.2	133.8
LOWER MANNVILLE MM	52.1	0.10		5.2		5.2	2.4	2.8
DINA A	2 822.0	0.20		564.0		564.0	164.9	399.1
DINA C	8 456.0	0.05		423.0		423.0	123.1	299.9
DINA E	748.0	0.05		37.4		37.4	3.3	34.1
DINA F	37.3	0.05		1.9		1.9	0.3	1.6
DINA G	286.0	0.10		28.6		28.6	2.1	26.5
DINA H	123.0	<0.01		0.3		0.3	0.3	
DINA I	145.0	0.03		4.4		4.4	0.1	4.3
DINA J	123.0	<0.01		0.9		0.9	0.9	
DINA K	264.0	0.05		13.2		13.2	1.1	12.1
DINA L	1 055.0	0.05		52.8		52.8	6.6	46.2
DINA M	222.0	<0.01		0.2		0.2	0.2	
DINA N	6 748.0	0.10		675.0		675.0	201.5	473.5
DINA O	3 475.0	0.04		139.0		139.0	50.2	88.8
DINA P	131.0	0.05		6.6		6.6	0.3	6.3
DINA Q	262.0	0.05		13.1		13.1	1.5	11.6
DINA R	659.0	0.03		19.8		19.8	8.0	11.8
DINA S	1 476.0	0.15		221.0		221.0	128.9	92.1
DINA T	164.0	0.05		8.2		8.2	3.3	4.9
DINA U	103.0	0.05		5.2		5.2	1.8	3.4
BASAL QUARTZ A	607.0	0.05		30.4		30.4	19.5	10.9
BASAL QUARTZ C	5 610.0	0.07		393.0		393.0	209.2	183.8
ELLERSLIE A	34.4	<0.03		1.1		1.1	1.1	

HEAVY CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	3.70	0.290	0.32	0.97	12	990	27	6 141	788.4	1980	81 07 - GPP
16	6.00	0.280	0.30	0.97	12	980	23	5 367	740.5	1981	81 10 - SUSP 81 08
16	3.20	0.300	0.25	0.97	14	980	29	5 900	820.4	1981	83 12 - ABAND 83 11
16	2.00	0.240	0.40	0.97	17	960	26	6 180	933.8	1981	81 10 - SUSP 82 01
16	1.70	0.250	0.49	0.97	10	988	29	5 681	772.7	1982	82 09 - SUSP 84 10
16	1.00	0.280	0.30	0.97	11	940	30	5 369	708.4	1979	82 06
32	1.00	0.270	0.35	0.96	16	934	30	5 068	768.5	1981	83 12
64	1.95	0.210	0.45	0.95	17	945	18	5 635	780.0	1978	85 09 - GPP
16	4.30	0.260	0.25	0.97	9	957	34	2 707	915.5	1983	84 02 - SUSP 85 10
64	2.87	0.230	0.48	0.97	11	922	28	5 800	878.9	1983	85 01 - SUSP 86 02
64	2.50	0.270	0.45	0.95	11	889	31	6 011	789.8	1984	85 01
32	4.50	0.240	0.46	0.97	11	904	32	6 623	931.8	1984	85 01 - SUSP 86 01
32	3.20	0.290	0.40	0.96	15	911	27	6 880	873.4	1984	85 03
16	2.00	0.280	0.45	0.97		950	32	6 205	759.5	1981	87 12 - SUSP 83 09
64	3.00	0.210	0.67	0.90	32	892	33	6 634	970.2	1984	85 03
76	7.30	0.290	0.15	0.97	25	985	30	5 258	742.6	1984	87 12 - GPP
32	8.00	0.235	0.50	0.97	11	910	32	5 707	833.6	1984	85 04 - GPP
64	6.51	0.280	0.39	0.97	12	994	27	5 360	780.3	1983	86 07 - GPP
16	14.50	0.300	0.14	0.97	10	980	30	5 237	750.5	1984	87 12 - GPP
32	2.00	0.810	0.63	0.89	45	898	34	5 844	799.5	1984	85 08
32	5.20	0.190	0.54	0.89	45	898	35	5 978	802.3	1984	85 08
16	3.00	0.230	0.54	0.96	15	910	30	5 385	778.3	1984	85 10 - ABAND 85 10
16	4.60	0.270	0.40	0.97	15	979	26	5 500	739.3	1981	82 02 - SUSP 86 04
16	3.60	0.290	0.23	0.97	15	990	26	5 476	766.8	1980	86 12
192	2.25	0.250	0.32	0.92	32	871	32	6 175	946.7	1985	87 10
16	1.50	0.260	0.35	0.97	15	980	29	5 780	817.0	1981	81 08 - SUSP 86 04
16	2.10	0.270	0.30	0.97	12	965	28	5 642	844.8	1977	82 12 - GPP
16	1.80	0.230	0.32	0.97	13	959	28	5 750	885.7	1977	77 06 - SUSP 79 08
64	1.80	0.200	0.35	0.90	40	860	32	5 788	877.6	1984	85 10
32	5.50	0.290	0.49	0.94	24	908	24	4 600	754.8	1985	86 04
64	2.00	0.250	0.55	0.92	31	820	26	5 656	798.0	1985	86 06 - SUSP 86 01
16	4.00	0.240	0.45	0.97	12	930	27	4 790	691.5	1982	83 10 - SUSP 86 04
16	8.00	0.300	0.17	0.97	12	976	28	5 344	699.0	1983	85 12 - ABAND 86 10
16	3.00	0.290	0.45	0.91	23	932	28	4 890	719.9	1985	85 12
16	7.00	0.280	0.20	0.97	11	988	26	3 500	840.5	1982	85 12 - SUSP 84 10
16	0.70	0.240	0.45	0.97	11	931	26	5 895	828.1	1983	84 01 - SUSP 84 08
16	1.00	0.200	0.50	0.97	10	988	31	5 026	792.0	1983	83 09
32	1.71	0.260	0.42	0.97	12	924	27	5 033	775.2	1984	86 09
16	4.00	0.300	0.25	0.97	13	999	27	6 117	827.0	1983	83 10
64	1.60	0.280	0.20	0.92	28	918	24	4 818	790.4	1984	87 12
32	2.00	0.300	0.32	0.97	15	920	32	5 627	796.3	1985	86 04 - ABAND 87 04
16	1.50	0.240	0.40	0.97	11	902	27	5 069	800.3	1984	87 12
16	1.20	0.230	0.44	0.95	11	902	28	5 075	764.2	1984	87 01
64	2.30	0.230	0.48	0.96	18	865	32	7 000	1 028.1	1978	79 01
16	1.80	0.210	0.40	0.94	27	917	32	5 840	909.8	1976	79 05
16	3.40	0.280	0.35	0.97	10	980	27	6 099	795.3	1980	84 12 - ABAND 86 01
16	3.50	0.270	0.38	0.97	12	970	29	6 047	789.8	1980	81 01 - ABAND 82 06
128	7.05	0.280	0.12	0.92	34	900	34	5 920	910.0	1983	87 11
16	2.80	0.240	0.50	0.97	12	963	24	6 005	915.3	1980	86 03 - SUSP 86 04
400	4.00	0.280	0.30	0.90	38	894	31	5 430	792.3	1982	87 12 - GPP
735	5.80	0.280	0.23	0.92	36	918	28	5 463	820.8	1983	87 01
64	6.99	0.250	0.31	0.97	11	960	30	5 733	850.8	1981	84 09
16	1.80	0.240	0.40	0.90	41	939	30	5 927	817.9	1983	84 09
32	4.28	0.290	0.20	0.90	28	922	31	5 733	918.1	1984	86 05
32	4.00	0.200	0.50	0.96	25	904	28	5 607	777.2	1984	85 03 - SUSP 85 12
16	3.90	0.300	0.20	0.97	20	976	30	6 222	867.1	1984	85 03 - SUSP 86 04
16	4.10	0.280	0.30	0.96	23	925	29	5 489	795.8	1984	84 01 - ABAND 87 06
32	4.05	0.280	0.25	0.97	15	945	30	5 504	808.7	1984	87 01
96	5.32	0.280	0.24	0.97	7	914	27	5 582	836.7	1984	87 12
32	3.50	0.280	0.27	0.97	11	904	30	5 514	814.1	1984	85 08 - SUSP 85 10
437	6.61	0.290	0.17	0.97	10	934	31	5 930	836.2	1957	87 12 - GPP
269	5.67	0.290	0.19	0.97	10	928	30	5 910	834.0	1957	87 12 - GPP
16	3.50	0.290	0.17	0.97	11	946	29	5 503	823.3	1984	84 05 - SUSP 86 01
32	5.03	0.230	0.27	0.97	10	960	30	6 037	819.2	1984	86 08
48	6.03	0.290	0.19	0.97	15	920	27	5 377	790.2	1983	86 06
200	4.51	0.240	0.29	0.96	13	874	32	6 466	902.3	1985	87 10 - GPP
32	2.80	0.270	0.30	0.97	15	915	30	6 292	962.4	1985	86 11
16	3.10	0.280	0.22	0.95	12	950	30	5 992	829.0	1986	86 11
40	9.60	0.250	0.33	0.94	25	921	33	5 900	899.1	1975	84 05
192	13.46	0.300	0.23	0.94	25	921	33	5 827	892.6	1977	84 12
32	1.50	0.130	0.40	0.92	34	917	35	5 722	914.1	1981	85 12 - ABAND 84 08

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
RAINIER 017-15W4								
GLAUCONITIC A	400.0	0.10		40.0		40.0	23.1	16.9
GLAUCONITIC E TOTAL	840.0			84.0	81.0	165.0	68.6	96.4
PRIMARY AREA	300.0	0.10		30.0		30.0		
WATER FLOOD AREA	540.0	0.10	0.15	54.0	81.0	135.0		
BASAL QUARTZ A	38.3	<0.01		0.2		0.2	0.2	
REAGAN 001-19W4								
RUNDLE A	460.0	0.18		82.8		82.8	73.4	9.4
RED COULEE 001-17W4								
CUT BANK B	1 010.0	0.05		50.5		50.5	41.3	9.2
CUT BANK C	158.0	0.03		4.7		4.7	1.6	3.1
RUNDLE A	71.5	0.15		10.8		10.8	10.2	0.6
RUNDLE B	36.5	0.02		0.7		0.7	0.7	
RETLAW 012-18W4								
MANNVILLE I	1 270.0	0.10		127.0		127.0	120.3	6.7
MANNVILLE O	124.0	<0.02		1.7		1.7	1.7	
MANNVILLE Q	183.0	<0.01		0.1		0.1	0.1	
MANNVILLE R	238.0	0.05		11.9		11.9	7.3	4.6
MANNVILLE V	2 210.0	0.10		221.0		221.0	55.1	165.9
MANNVILLE W	371.0	0.04		14.8		14.8	7.3	7.5
MANNVILLE EE	320.0	0.04		12.8		12.8	8.9	3.9
MANNVILLE FF	178.0	<0.01		0.1		0.1		0.1
MANNVILLE GG	92.7	<0.01		0.1		0.1	0.1	
MANNVILLE MM	90.4	<0.01		0.4		0.4	0.4	
MANNVILLE PP	174.0	0.05		8.7		8.7	6.9	1.8
MANNVILLE UU	44.8	<0.01		0.1		0.1		0.1
MANNVILLE WW	244.0	<0.01		0.1		0.1		0.1
MANNVILLE AAA	195.0	<0.01		1.2		1.2	1.2	
MANNVILLE BBB	1 300.0	0.05		65.0		65.0	19.2	45.8
MANNVILLE FFF	413.0	0.10		41.3		41.3	8.6	32.7
MANNVILLE JJJ	54.1	<0.03		1.5		1.5	1.5	
MANNVILLE KKK	105.0	0.10		10.5		10.5	1.6	8.9
MANNVILLE OOO	97.3	0.10		9.7		9.7	7.2	2.5
MANNVILLE TTT	21.3	0.10		2.1		2.1	1.1	1.0
MANNVILLE B2B	44.1	0.05		2.2		2.2	0.1	2.1
MANNVILLE F2F	76.0	0.05		3.8		3.8	0.4	3.4
MANNVILLE G2G	405.0	0.10		40.5		40.5	1.7	38.8
RIBSTONE 043-04W4								
SPARKY A	2 200.0	0.05		110.0		110.0	55.8	54.2
GENERAL PETROLEUM A	71.5	0.07		5.0		5.0	2.2	2.8
LLOYDMINSTER A	372.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER B	163.0	0.05		8.2		8.2	1.6	6.6
LLOYDMINSTER C	41.9	<0.01		0.1		0.1		0.1
NISKU A	671.0	0.10		67.1		67.1	22.3	44.8
NISKU B	506.0	0.05		25.3		25.3	7.1	18.2
NISKU C	125.0	0.05		6.3		6.3	1.5	4.8
NISKU D	222.0	0.05		11.1		11.1	1.4	9.7
NISKU E	118.0	0.05		5.9		5.9	0.5	5.4
CAMROSE A	186.0	0.10		18.6		18.6	7.9	10.7
RICHDALE 030-13W4								
LOWER MANNVILLE G	80.0	0.15		12.0		12.0	7.2	4.8
RIVERCOURSE 047-01W4								
COLONY A	245.0	<0.03		6.2		6.2	6.2	
COLONY B	265.0	<0.06		2.9		2.9	2.9	
SPARKY A	307.0	0.10		30.7		30.7	24.9	5.8
SPARKY B	283.0	0.02		5.7		5.7	4.7	1.0
SPARKY C	263.0	0.01		2.6		2.6	1.8	0.8
SPARKY D	186.0	<0.02		3.2		3.2	3.2	
SPARKY E	65.2	0.05		3.3		3.3	1.2	2.1
CUMMINGS A	3 180.0	0.03		95.4		95.4	58.2	37.2
RONALANE 013-12W4								
LOWER MANNVILLE A	149.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	314.0	0.03		9.4		9.4	4.5	4.9
LOWER MANNVILLE F	163.0	0.10		16.3		16.3	3.3	13.0
SAWTOOTH A	196.0	0.10		19.6		19.6	5.1	14.5
SAWTOOTH B	1 153.0	0.15		173.0		173.0	46.2	126.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
49	4.35	0.260	0.18	0.88	41	888	28	11 076	1 032.0	1981	87 12
186					60	867	31	10 980	1 028.2	1981	86 12
122	1.40	0.250	0.20	0.88							
64	4.80	0.250	0.20	0.88							
32	1.40	0.160	0.40	0.89	40	905	21	11 128	1 066.3	1980	84 12 - SUSP 81 09
274	2.78	0.110	0.27	0.75	127	844	29	7 580	1 094.2	1958	81 12 - GPP
229	4.18	0.180	0.37	0.93	32	904	27	6 030	838.2	1960	85 12 - GPP
32	5.91	0.180	0.42	0.80	32	904	30	6 000	896.0	1966	86 02
21	5.61	0.110	0.25	0.75	32	910	28	6 270	948.2	1961	75 12 - GPP
16	3.66	0.110	0.25	0.75	32	904	28	6 210	879.7	1967	77 04 - SUSP 68 12
454	2.13	0.218	0.30	0.86	64	921	39	11 580	1 086.1	1964	77 12 - GPP
65	1.77	0.172	0.27	0.86	45	946	37	11 810	1 106.7	1971	72 02 - ABAND 72 10
65	2.74	0.190	0.37	0.86	66	921	41	11 893	1 065.6	1971	74 04 - ABAND 74 03
96	2.25	0.197	0.35	0.86	14	921	38	11 550	1 091.1	1974	79 12
1 056	1.53	0.200	0.23	0.89	57	946	32	11 720	1 069.5	1976	85 09
96	3.53	0.185	0.32	0.87	57	921	32	12 030	1 134.9	1976	87 03 - GPP
192	1.99	0.150	0.35	0.86	62	910	34	11 690	1 089.0	1978	87 08 - GPP
65	3.05	0.160	0.35	0.87	59	910	35	11 690	1 121.0	1978	78 12 - ABAND 82 07
16	5.50	0.180	0.35	0.90	44	965	35	11 860	1 109.0	1978	82 12 - SUSP 79 10
32	1.80	0.220	0.18	0.87	50	922	37	11 880	1 093.0	1979	85 12 - SUSP 84 02
32	4.80	0.200	0.35	0.87	89	916	37	11 542	1 072.5	1979	85 12
16	2.78	0.180	0.35	0.86	66	959	35	10 337	1 104.1	1980	83 12 - SUSP 81 06
32	5.50	0.230	0.30	0.86	60	921	38	11 785	1 108.4	1977	85 12 - SUSP 81 03
16	17.97	0.150	0.48	0.87	54	917	32	11 146	1 075.7	1980	83 12 - SUSP 83 11
423	2.93	0.180	0.33	0.87	60	915	37	11 808	1 053.3	1981	84 10 - GPP
64	8.13	0.142	0.35	0.86	60	891	35	11 310	1 075.9	1981	82 05
32	1.30	0.240	0.37	0.86	60	930	32	11 703	1 101.4	1981	84 12 - SUSP 82 08
32	3.70	0.188	0.45	0.86	68	921	33	11 555	1 102.3	1981	84 12
32	3.40	0.160	0.35	0.86	62	925	32	11 394	1 110.5	1978	83 12
16	1.14	0.180	0.27	0.89	56	911	36	11 880	1 097.7	1982	83 03
32	1.50	0.180	0.40	0.85	64	920	33	11 635	1 094.7	1960	84 10 - SUSP 86 03
16	4.00	0.200	0.34	0.90	44	994	33	12 859	1 161.0	1984	85 06 - SUSP 86 04
32	6.50	0.270	0.19	0.89	57	910	36	10 359	1 091.8	1985	85 07
96	14.10	0.260	0.35	0.96	80	915	29	4 500	689.5	1971	80 12
32	1.21	0.280	0.32	0.97	11	952	30	4 780	652.6	1985	87 12
65	3.05	0.280	0.30	0.96			29	4 860	661.4	1972	77 12 - SUSP 72 10
32	2.40	0.300	0.28	0.97	14	939	26	3 046	642.5	1975	83 02
16	1.80	0.300	0.50	0.97	12	959	42	4 662	666.9	1986	87 01 - SUSP 86 11
96	7.00	0.160	0.35	0.96	16	959	29	4 453	660.6	1985	87 12
48	9.84	0.180	0.38	0.96	16	955	27	4 415	727.2	1985	86 01
16	8.00	0.175	0.42	0.96	16	955	27	4 280	657.0	1985	86 01
16	11.00	0.175	0.25	0.96	16	955	27	4 025	667.3	1985	86 01
16	8.40	0.120	0.24	0.96	16	953	26	5 195	727.8	1973	86 06
32	6.67	0.150	0.40	0.97	11	951	28	4 878	662.8	1986	86 06
64	1.53	0.170	0.46	0.89	44	916	38	9 500	1 104.3	1978	85 12 - GPP
49	1.92	0.300	0.10	0.97	9	946	24	2 648	527.9	1965	75 07 - SUSP 71 04
16	6.15	0.340	0.20	0.99	9	972	26	3 500	521.9	1977	82 12 - SUSP 83 07
48	2.56	0.300	0.16	0.99	5	965	23	3 450	570.6	1974	84 12 - GPP
32	3.70	0.290	0.17	0.99	9	999	23	4 100	591.0	1978	82 12 - GPP
32	3.45	0.290	0.17	0.99	9	980	23	4 090	589.6	1978	80 10 - SUSP 86 10
16	4.60	0.300	0.15	0.99	9	970	23	4 097	590.3	1978	82 06 - SUSP 85 05
16	2.00	0.300	0.30	0.97	12	950	23	4 118	606.2	1978	86 11
224	6.25	0.290	0.20	0.98	9	989	22	3 040	641.3	1978	85 12 - GPP
32	3.05	0.270	0.35	0.86	66	887	33	10 980	952.5	1972	83 12 - SUSP 78 11
32	9.40	0.200	0.42	0.90	42	925	31	10 276	920.2	1984	87 12 - GPP
16	6.80	0.280	0.42	0.92	34	921	32	9 997	952.3	1986	87 02
16	8.40	0.250	0.40	0.97	10	950	33	10 371	957.7	1985	85 10
165	5.22	0.240	0.40	0.93	29	900	32	10 529	944.4	1985	87 10 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
RONALANE 013-12W4 (CONTINUED)								
SAWTOOTH C	1 225.0	0.15		184.0		184.0	68.2	115.8
SAWTOOTH E	33.7	0.07		2.4		2.4	0.5	1.9
SAWTOOTH G	172.0	0.15		25.8		25.8	5.7	20.1
SAWTOOTH H	258.0	0.05		12.9		12.9	1.8	11.1
SAWTOOTH I	1 237.0	0.10		124.0		124.0	12.1	111.9
SAWTOOTH J	1 057.0	0.20		212.0		212.0	6.5	205.5
SAWTOOTH K	1 336.0	0.05		66.8		66.8	51.6	15.2
SCOLL 033-21W4								
GLAUCONITIC A	204.0	<0.01		0.4		0.4	0.4	
SEDGEWICK 042-12W4								
BASAL MANNVILLE C	117.0	0.10		11.7		11.7	2.4	9.3
SIBBALD 027-02W4								
UPPER MANNVILLE C TOTAL	4 360.0			256.0	383.0	639.0	405.5	233.5
PRIMARY AREA	99.2	<0.01		0.2		0.2		
WATER FLOOD AREA	4 260.0	0.06	0.09	256.0	383.0	639.0		
UPPER MANNVILLE D	40.1	0.05		2.0		2.0		2.0
LOWER MANNVILLE B	138.0	<0.01		0.1		0.1		0.1
SKIFF 005-14W4								
SAWTOOTH A	890.0	0.12		107.0		107.0	80.1	26.9
SAWTOOTH B	133.0	0.10		13.3		13.3	5.5	7.8
SAWTOOTH C	12.1	<0.08		0.9		0.9	0.9	
ST. ANNE 054-05W5								
BANFF A	488.0	0.05		24.4		24.4	7.7	16.7
BANFF B	193.0	0.05		9.6		9.6	1.6	8.0
BANFF C	1 639.9	0.08		131.2		131.2	82.3	48.9
BANFF D	38.3	0.20		7.7		7.7	5.1	2.6
BANFF E	107.0	0.15		16.1		16.1	7.6	8.5
BANFF F	89.5	0.15		13.4		13.4	2.6	10.8
BANFF G	18.5	0.20		3.7		3.7	2.9	0.8
BANFF H	319.0	<0.01		0.2		0.2	0.2	
BANFF I	146.0	0.10		14.6		14.6	1.0	13.6
BANFF J	140.0	0.15		21.0		21.0	3.2	17.8
STANMORE 029-11W4								
UPPER MANNVILLE AA	398.0	0.10		39.8		39.8	15.5	24.3
STROME 043-16W4								
ELLERSLIE A	37.3	0.10		3.7		3.7	2.2	1.5
SUFFIELD 018-06W4								
UPPER MANNVILLE A	20 800.0	0.01		208.0		208.0	66.9	141.1
UPPER MANNVILLE C	1 660.0	0.10		166.0		166.0	93.7	72.3
UPPER MANNVILLE D	882.0	0.01		8.8		8.8	3.0	5.8
UPPER MANNVILLE F	346.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE H	1 320.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE J	40 100.0	0.03		1 203.0		1 203.0	531.8	671.2
UPPER MANNVILLE N	487.0	0.05		24.4		24.4	9.8	14.6
UPPER MANNVILLE O	137.0	0.03		4.1		4.1	0.3	3.8
UPPER MANNVILLE Q	169.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	115.0	0.05		5.8		5.8	0.8	5.0
UPPER MANNVILLE S	114.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE T	265.0	0.01		2.6		2.6	2.6	
UPPER MANNVILLE U	384.0	0.10		38.4		38.4	19.8	18.6
UPPER MANNVILLE V	229.0	0.05		11.5		11.5	2.7	8.8
UPPER MANNVILLE W	66.6	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	59.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE Y	249.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE Z	187.0	0.03		5.6		5.6	0.1	5.5
UPPER MANNVILLE EE	71.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE A	396.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	65.9	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	93.1	0.07		6.5		6.5	4.7	1.8
LOWER MANNVILLE D	77.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE E	104.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE G	136.0	<0.01		0.1		0.1		0.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
208	4.92	0.240	0.42	0.86	67	881	27	10 760	922.0	1975	87 02 - GPP
16	1.80	0.260	0.50	0.90	19	905	33	10 379	949.4	1986	87 12
16	8.20	0.230	0.40	0.95	17	908	33	10 676	945.3	1986	86 08
16	12.50	0.205	0.33	0.94	15	905	34	11 085	957.6	1985	86 10 - SUSP 86 10
96	9.58	0.248	0.41	0.95	15	940	34	10 583	951.8	1985	86 10 - GPP
80	9.38	0.260	0.43	0.95	18	919	33	4 475	940.1	1986	87 08 - GPP
157	8.22	0.219	0.45	0.86	40	870	32	6 500	938.3	1967	87 03
64	4.40	0.170	0.50	0.85	50	900	44	10 034	1 403.8	1984	85 11 - ABAND 86 09
32	2.00	0.280	0.30	0.93	28	920	30	4 047	916.0	1984	84 11 - GPP
757					21	963	28	9 140	885.7	1977	85 01
48	1.90	0.230	0.50	0.95							
709	3.24	0.280	0.30	0.95							
16	2.00	0.240	0.45	0.95	22	962	28	9 253	868.0	1980	80 08 - SUSP 80 05
16	5.00	0.330	0.45	0.95	66	866	64	8 980	862.5	1980	80 09 - SUSP 80 08
320	2.42	0.180	0.25	0.85	30	941	33	9 190	922.1	1964	84 09
64	1.84	0.170	0.26	0.90	30	940	31	9 368	916.5	1983	86 05
16	1.00	0.120	0.30	0.90	22	964	31	9 320	919.0	1981	86 12 - SUSP 86 09
32	9.80	0.190	0.09	0.90	54	919	43	13 332	1 456.6	1978	83 11
32	7.56	0.160	0.44	0.89	45	947	43	13 400	1 454.6	1981	85 12
161	11.29	0.170	0.39	0.87	54	954	43	13 393	1 442.1	1981	86 07
16	10.40	0.050	0.50	0.92	45	941	44	13 336	1 457.2	1984	85 12
16	8.20	0.140	0.33	0.87	160	954	41	13 455	1 432.2	1984	85 02
16	4.00	0.210	0.26	0.90	60	932	38	9 932	1 438.2	1985	85 06
32	1.50	0.060	0.30	0.92	45	940	44	13 418	1 466.0	1984	87 12
32	9.89	0.178	0.37	0.90	50	904	45	13 241	1 463.5	1984	85 07 - ABAND 87 03
32	5.30	0.150	0.35	0.88	50	920	45	13 144	1 452.0	1985	85 10
16	8.40	0.200	0.40	0.87	50	904	45	13 043	1 447.7	1985	86 04
128	1.90	0.240	0.26	0.92	28	939	35	8 336	1 035.1	1973	82 11
16	1.50	0.210	0.22	0.95	20	936	30	7 434	1 040.8	1969	84 11 - SUSP 86 05
1 684	7.32	0.250	0.25	0.90	35	986	36	11 020	939.4	1976	82 12
112	9.72	0.240	0.30	0.91	37	952	32	10 690	975.7	1976	85 12 - GPP
64	7.47	0.260	0.22	0.91	43	940	32	9 890	966.6	1977	86 11 - SUSP 86 05
16	11.89	0.250	0.20	0.91	35	937	28	11 120	938.2	1977	82 12 - SUSP 77 05
65	12.19	0.270	0.32	0.91	30	972	31	10 050	909.8	1977	78 03 - SUSP 78 01
2 190	10.60	0.250	0.24	0.91	27	979	28	10 410	923.6	1977	87 12 - GPP
32	8.04	0.260	0.20	0.91	30	971	32	10 000	956.8	1978	86 11 - SUSP 86 04
16	6.40	0.210	0.30	0.91	30	982	32	10 160	994.3	1978	79 04 - SUSP 86 03
16	6.50	0.270	0.34	0.91	43	983	30	10 400	926.8	1979	80 02 - ABAND 80 08
16	5.50	0.200	0.30	0.93	34	957	31	9 230	994.0	1980	86 07 - SUSP 86 03
16	5.20	0.250	0.40	0.91	42	982	32	10 432	894.0	1980	80 07 - SUSP 85 04
16	10.00	0.280	0.35	0.91	29	982	26	10 943	927.0	1980	86 12 - SUSP 84 07
32	7.03	0.250	0.25	0.91	37	951	21	10 569	959.3	1980	87 04
16	9.00	0.250	0.30	0.91	20	966	25	10 563	924.0	1980	80 08 - SUSP 86 03
16	2.60	0.220	0.20	0.91	44	951	30	10 233	960.3	1980	83 12 - SUSP 83 12
16	2.30	0.250	0.30	0.92	37	958	32	10 406	952.2	1980	83 12 - SUSP 80 09
32	7.30	0.180	0.35	0.91	37	925	29	10 188	962.2	1981	82 08 - SUSP 85 08
64	1.50	0.330	0.35	0.91	35	967	31	9 834	1 004.5	1976	82 10
16	4.00	0.200	0.41	0.94	37	959	35	10 721	986.2	1977	84 08 - ABAND 85 10
65	7.01	0.160	0.40	0.91	35	952	35	9 590	1 001.9	1976	76 11 - SUSP 77 06
16	2.13	0.280	0.25	0.91	34	952	33	10 180	982.0	1977	83 12 - ABAND 86 03
32	2.46	0.200	0.35	0.91	27	972	34	9 080	951.6	1977	84 12 - SUSP 86 10
16	3.35	0.240	0.35	0.91	32	965	32	10 780	981.5	1977	78 04 - ABAND 78 05
16	4.57	0.220	0.30	0.91	32	959	27	10 960	1 008.0	1977	83 12 - ABAND 82 01
16	7.32	0.210	0.40	0.91	47	999	25	10 110	904.0	1978	78 11 - SUSP 78 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SUFFIELD 018-06W4 (CONTINUED)								
LOWER MANNVILLE H	67.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE I	88.1	0.03		2.6		2.6		2.6
LOWER MANNVILLE J	80.4	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE K	128.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE L	156.0	<0.02		1.7		1.7	1.7	
LOWER MANNVILLE M	100.0	0.05		5.0		5.0	2.7	2.3
LOWER MANNVILLE N	150.0	0.06		9.0		9.0	7.9	1.1
SUNNYNOOK 026-11W4								
BASAL MANNVILLE F	120.0	<0.01		0.8		0.8	0.8	
SUPERBA 026-03W4								
DETRITAL A	213.0	<0.01		0.1		0.1	0.1	
SWIMMING 052-06W4								
UPPER MANNVILLE A	92.6	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE C	817.0	<0.03		0.9		0.9	0.9	
COLONY A	89.8	0.03		2.7		2.7	1.3	1.4
COLONY D	129.0	<0.04		0.2		0.2	0.2	
SPARKY A	98.8	0.05		4.9		4.9	0.4	4.5
SPARKY B	64.3	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM A	148.0	0.03		4.4		4.4	1.0	3.4
GENERAL PETROLEUM B	208.0	0.05		10.4		10.4	5.7	4.7
TABER 009-17W4								
MANNVILLE A	1 140.0	0.20		228.0		228.0	212.0	16.0
MANNVILLE C	572.0	0.05		28.6		28.6	24.2	4.4
MANNVILLE D TOTAL	10 300.0			707.0	1 730.0	2 440.0	1 879.5	560.5
PRIMARY AREA	674.0	0.10		67.4		67.4		
WATER FLOOD AREA	9 600.0	<0.07	0.18	640.0	1 730.0	2 370.0		
MANNVILLE E	25.3	<0.01		0.1		0.1	0.1	
MANNVILLE F	834.0	0.06		50.0		50.0	45.2	4.8
MANNVILLE G	529.0	0.01		5.3		5.3	4.3	1.0
MANNVILLE K	406.0	0.18		73.1		73.1	42.5	30.6
MANNVILLE L	11.8	<0.01		0.1		0.1		0.1
MANNVILLE M	129.0	<0.01		0.2		0.2	0.2	
MANNVILLE N	39.6	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	84.2	0.10		8.4		8.4	1.0	7.4
TABER NORTH 011-16W4								
GLAUCONITIC A	8 000.0	0.35		2 800.0		2 800.0	872.0	1 928.0
GLAUCONITIC C	2 590.0	0.12		311.0	ERSO	311.0	183.4	127.6
GLAUCONITIC D	35.3	0.10		3.5		3.5	1.0	2.5
GLAUCONITIC E	1 940.0	0.20		388.0		388.0	113.4	274.6
GLAUCONITIC H	234.0	0.10		23.4		23.4	5.7	17.7
GLAUCONITIC J	54.3	0.10		5.4		5.4	2.3	3.1
TABER A	1 950.0	0.12		235.0		235.0	194.0	41.0
TABER B	556.0	0.10		55.6		55.6	40.9	14.7
TABER C	2 490.0	0.10		249.0		249.0	192.4	56.6
TABER D	2 000.0	0.15		300.0		300.0	213.1	86.9
TABER E	344.0	0.10		34.4		34.4	25.5	8.9
TABER I	115.0	0.15		17.3		17.3	10.5	6.8
TABER J	229.0	<0.01		0.2		0.2	0.2	
TABER K	888.0	0.20		178.0		178.0	116.9	61.1
TABER L	98.8	<0.01		0.7		0.7	0.7	
TABER M	158.0	<0.01		0.1		0.1	0.1	
TABER O	540.0	0.10		54.0		54.0	50.8	3.2
TABER S	46.6	0.05		2.3		2.3	0.8	1.5
SAWTOOTH A	48.4	0.10		4.8		4.8	0.5	4.3
TABER SOUTH 007-16W4								
MANNVILLE A TOTAL	9 345.0			467.0	912.0	1 379.0	978.4	400.6
PRIMARY AREA	225.0	0.05		11.3		11.3		
WATER FLOOD AREA	9 120.0	0.05	0.10	456.0	912.0	1 370.0		
MANNVILLE B TOTAL	7 160.0			483.0	1 470.0	1 950.0	1 934.6	15.4
PRIMARY AREA	756.0	0.04		30.2		30.2		
WATER FLOOD AREA	6 400.0	0.07	0.23	453.0	1 470.0	1 920.0		
MANNVILLE C	281.0	<0.01		0.6		0.6	0.6	
MANNVILLE D	389.0	0.05		19.5		19.5	9.1	10.4
MANNVILLE E	247.0	0.03		7.4		7.4	3.0	4.4
MANNVILLE F	840.0	0.04		33.6		33.6	19.6	14.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m3/m3	kg/m3	°C	kPa	m		
16	3.30	0.210	0.35	0.93	30	986	33	10 060	914.9	1978	79 05 - SUSP 78 12
16	6.10	0.190	0.50	0.95	9	995	32	10 520	892.5	1978	79 03
16	3.40	0.250	0.35	0.91	30	969	35	10 560	1 006.0	1978	79 04 - ABAND 80 04
16	5.70	0.220	0.30	0.91	45	943	45	10 600	967.0	1980	80 09 - SUSP 84 07
16	6.30	0.230	0.25	0.90	27	978	31	11 166	967.3	1979	81 03 - SUSP 80 10
32	2.08	0.330	0.50	0.91	34	951	36	10 565	997.7	1982	83 12 - SUSP 86 10
16	7.21	0.210	0.32	0.91	44	965	35	10 660	972.2	1978	84 08 - GPP
32	2.00	0.250	0.20	0.94	27	940	35	10 070	1 059.0	1978	83 12 - SUSP 79 08
16	8.50	0.300	0.45	0.95	18	958	34	9 135	930.2	1981	85 12 - SUSP 83 04
16	2.10	0.320	0.13	0.99	10	977	25	4 190	565.6	1978	83 12 - ABAND 83 05
16	19.10	0.300	0.10	0.99	10	985	25	4 937	509.7	1981	82 07
16	3.00	0.270	0.30	0.99	10	985	25	4 854	502.5	1980	83 01 - SUSP 86 09
16	3.20	0.300	0.15	0.99	10	999	28	5 009	518.6	1980	82 10 - ABAND 84 08
16	3.20	0.300	0.35	0.99	7	985	25	3 904	536.4	1979	83 02 - SUSP 86 09
16	2.00	0.290	0.30	0.99	7	994	25	4 011	547.5	1979	84 07 - ABAND 84 01
16	4.20	0.310	0.28	0.99	9	987	27	4 251	571.9	1983	84 07
16	6.00	0.300	0.27	0.99	9	976	27	4 285	575.5	1980	82 05
264	3.37	0.210	0.35	0.94	23	921	33	10 180	983.0	1944	85 09 - GPP
48	8.73	0.220	0.34	0.94	20	946	38	10 760	986.0	1962	87 12 - GPP
1 268					16	940	36	10 595	973.6	1942	82 12
128	4.81	0.190	0.40	0.96							
1 140	6.20	0.209	0.33	0.97							- GPP
16	1.83	0.150	0.40	0.95	28	940	16	10 470	964.7	1974	78 11 - SUSP 78 07
120	5.42	0.210	0.35	0.94	23	921	33	10 780	983.3	1944	85 09 - GPP
142	3.10	0.200	0.36	0.94	23	946	33	10 395	995.5	1944	83 12 - GPP
100	3.32	0.200	0.35	0.94	23	921	33	10 422	993.0	1944	84 12 - GPP
16	1.00	0.150	0.49	0.96	15	955	36	9 986	972.5	1984	85 06 - SUSP 85 08
32	4.80	0.175	0.50	0.96	15	930	36	9 222	1 003.3	1985	85 10 - SUSP 85 12
16	2.30	0.170	0.34	0.96	15	928	23	10 675	956.9	1985	86 04 - SUSP 86 03
64	1.00	0.200	0.30	0.94	17	947	29	11 177	977.5	1983	84 05 - SUSP 86 03
386	11.70	0.240	0.21	0.93	17	879	30	10 650	948.5	1979	84 09
344	6.08	0.190	0.25	0.87	57	894	30	11 382	979.1	1980	85 06
16	4.80	0.100	0.50	0.92	36	937	32	7 429	974.5	1981	83 12
184	5.78	0.240	0.20	0.95	17	899	29	10 765	951.0	1978	86 01
32	5.50	0.200	0.30	0.95	17	899	29	10 096	959.7	1984	86 01
16	4.10	0.150	0.40	0.92	17	889	29	9 865	934.4	1986	86 06
713	2.77	0.210	0.50	0.94	32	887	29	11 030	979.3	1966	70 08 - GPP
184	2.59	0.200	0.38	0.94	16	887	31	11 290	970.8	1967	84 12 - GPP
267	7.62	0.200	0.35	0.94	22	940	37	11 110	991.5	1974	86 12 - GPP
365	5.27	0.170	0.35	0.94	21	940	32	11 100	997.0	1976	83 12 - GPP
48	6.90	0.160	0.31	0.94	27	940	32	10 810	988.3	1977	80 04 - GPP
32	5.00	0.150	0.49	0.94	25	940	32	10 704	967.3	1981	85 12 - GPP
64	3.20	0.170	0.30	0.94	20	884	33	10 582	977.4	1982	83 06 - SUSP 84 10
208	4.05	0.190	0.41	0.94	15	896	54	10 407	965.9	1983	87 12
32	2.50	0.180	0.27	0.94	25	924	35	10 613	981.9	1983	83 11 - ABAND 84 04
64	3.60	0.140	0.48	0.94	15	893	54	10 758	981.2	1983	84 05 - SUSP 84 07
128	6.01	0.150	0.48	0.90	38	934	70	10 045	975.6	1983	86 05
16	2.50	0.200	0.38	0.94	16	887	33	8 885	978.3	1981	87 01 - GPP
16	2.20	0.230	0.35	0.92	35	895	29	10 560	992.6	1980	85 04
1 123					7	946	35	10 000	990.7	1963	87 08
32	5.94	0.200	0.39	0.97							
1 091	7.01	0.205	0.40	0.97							- GPP
518					16	940	41	9 890	984.8	1963	81 12
98	3.52	0.259	0.10	0.94							
420	6.95	0.259	0.10	0.94							- GPP
65	3.05	0.200	0.25	0.95	16	940	38	9 960	976.6	1965	67 11 - ABAND 67 06
92	2.59	0.220	0.21	0.94	46	898	31	10 032	979.5	1965	86 09
32	6.25	0.180	0.30	0.98	21	930	32	10 260	994.3	1978	83 02 - SUSP 86 01
96	7.58	0.192	0.38	0.97	6	939	32	9 364	1 004.1	1979	87 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
TABER SOUTH 007-16W4 (CONTINUED)								
MANNVILLE G	164.0	0.05		8.2		8.2	5.6	2.6
MANNVILLE H	66.0	<0.01		0.5		0.5	0.5	
MANNVILLE I	85.9	0.10		8.6		8.6	4.7	3.9
MANNVILLE J	106.0	0.05		5.3		5.3		5.3
GLAUCONITIC A	237.0	0.05		11.9		11.9	2.1	9.8
GLAUCONITIC B	51.6	0.05		2.6		2.6	0.8	1.8
GLAUCONITIC C	766.0	0.05		38.3		38.3	3.8	34.5
TABER SOUTH-EAST 008-15W4								
MANNVILLE A	1 460.0	0.15		219.0		219.0	178.8	40.2
MANNVILLE C	173.0	0.10		17.3		17.3	15.3	2.0
MANNVILLE D	680.0	0.08		54.4		54.4	42.5	11.9
MANNVILLE E	184.0	0.10		18.4		18.4	11.4	7.0
TURIN 010-18W4								
FISH SCALE B	99.0	0.03		3.0		3.0	1.2	1.8
UPPER MANNVILLE C	2 060.0	0.15		309.0		309.0	236.5	72.5
UPPER MANNVILLE J	832.0	0.10		83.2		83.2	38.0	45.2
LOWER MANNVILLE E	761.0	0.15		114.0		114.0	67.4	46.6
LOWER MANNVILLE L	1 670.0	0.15		250.0		250.0	193.8	56.2
LOWER MANNVILLE M	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	82.2	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE P	41.8	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE T	109.0	0.10		10.9		10.9	4.9	6.0
LOWER MANNVILLE X	80.7	0.10		8.1		8.1	6.2	1.9
LOWER MANNVILLE BB	96.8	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE NN	276.0	0.10		27.6		27.6	5.5	22.1
LOWER MANNVILLE TT	470.0	0.15		70.0		70.0	44.7	25.3
VERGER 022-15W4								
MANNVILLE A	78.2	<0.01		0.3		0.3	0.3	
MANNVILLE D	2 180.0	<0.01		4.7		4.7	4.7	
MANNVILLE F	149.0	0.10		14.9		14.9	3.4	11.5
UPPER MANNVILLE C	4 130.0	0.01		41.3		41.3	18.1	23.2
VERMILION 050-05W4								
SPARKY A	7 710.0	<0.09		637.0		637.0	533.7	103.3
VIKING-KINSELLA 047-11W4								
UPPER MANNVILLE B	289.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	77.0	0.05		3.9		3.9	3.6	0.3
UPPER MANNVILLE K	100.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	764.0	<0.01		1.3		1.3	1.3	
UPPER MANNVILLE X	39.8	<0.01		0.1		0.1		0.1
UPPER MANNVILLE CC	75.2	<0.02		1.2		1.2	1.2	
UPPER MANNVILLE QQ	146.0	0.05		7.3		7.3	0.4	6.9
UPPER MANNVILLE CCC	469.0	0.05		23.5		23.5	3.2	20.3
COLONY YY	127.0	0.05		6.4		6.4	0.1	6.3
COLONY ZZ	82.6	0.05		4.1		4.1	0.5	3.6
SPARKY E	99.5	0.05		5.0		5.0	0.4	4.6
SPARKY G	241.0	0.05		12.1		12.1		12.1
WAINWRIGHT B TOTAL	20 910.0			1 046.0	4 072.0	5 118.0	3 925.0	1 193.0
PRIMARY AREA	550.0	0.05		27.5		27.5		
WATER FLOOD AREA	20 360.0	0.05	0.20	1 018.0	4 072.0	5 090.0		
WAINWRIGHT D	1 020.0	0.05		51.0		51.0	3.1	47.9
WAINWRIGHT E	78.7	0.03		2.4		2.4	0.8	1.6
WAINWRIGHT H	136.0	<0.01		0.7		0.7	0.7	
WAINWRIGHT I	76.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE K	92.5	<0.01		0.2		0.2	0.2	
D-2 H	31.5	0.10		3.2		3.2	1.5	1.7
WAINWRIGHT 045-06W4								
VIKING,COLONY GRVW&EE	137.0	0.07		9.6		9.6	4.8	4.8
COLONY P	63.0	0.07		4.4		4.4	2.8	1.6
COLONY CC	577.0	0.06		34.6		34.6	29.5	5.1
COLONY MM	37.7	0.05		1.9		1.9	0.1	1.8
COLONY NN	21.2	<0.01		0.1		0.1	0.1	
SPARKY B	439.0	0.03		13.2		13.2	11.1	2.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	7.60	0.189	0.27	0.98	21	947	32	9 562	986.6	1983	84 03
32	3.00	0.156	0.55	0.98	6	920	32	9 775	978.4	1984	84 06 - ABAND 87 01
32	2.80	0.170	0.40	0.94	27	939	28	10 805	1 001.8	1984	87 12
16	5.50	0.180	0.32	0.98	15	930	34	9 725	997.3	1984	85 05 - SUSP 86 01
16	16.80	0.160	0.42	0.95	17	899	29	9 516	975.3	1983	83 12
16	2.70	0.160	0.23	0.97	15	935	33	9 937	983.4	1984	85 05
64	6.68	0.230	0.18	0.95	17	914	29	9 775	988.7	1986	87 04
380	3.41	0.200	0.40	0.94	16	915	29	10 070	972.6	1963	85 12 - GPP
32	6.10	0.170	0.46	0.96	16	934	36	9 780	949.2	1973	78 10
351	1.80	0.200	0.44	0.96	10	915	32	10 140	963.5	1974	85 07
64	2.98	0.200	0.50	0.96	10	915	32	9 623	969.3	1977	87 12
65	1.22	0.220	0.40	0.95	20	881	27	4 870	684.6	1975	76 02
280	4.62	0.240	0.21	0.84	72	881	32	11 220	1 000.7	1974	83 10
200	5.40	0.160	0.44	0.86	68	831	31	10 806	981.1	1982	85 12
75	7.92	0.190	0.25	0.89	65	904	32	12 100	1 101.5	1974	87 12
429	3.70	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	85 09 - GPP
65	3.96	0.180	0.50	0.94	25	940	32	10 480	1 025.7	1974	82 12 - SUSP 74 11
32	2.44	0.180	0.35	0.89	53	921	32	11 135	1 008.6	1975	78 07 - SUSP 78 02
32	2.50	0.100	0.45	0.95	21	930	33	11 290	1 037.0	1977	83 12 - SUSP 79 09
32	3.30	0.180	0.35	0.88	55	917	33	10 780	1 066.1	1979	87 12 - GPP
128	0.75	0.130	0.28	0.90	38	889	32	11 082	1 007.3	1981	83 05
16	3.70	0.210	0.18	0.95	20	956	33	10 924	1 000.2	1981	81 07 - SUSP 85 06
64	2.75	0.240	0.23	0.85	86	17	35	11 107	1 092.3	1984	85 05
161	2.77	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	85 09 - GPP
16	4.00	0.200	0.35	0.94	19	960	40	10 378	1 062.9	1974	83 12 - ABAND 83 10
1 502	2.56	0.180	0.65	0.90	41	915	46	10 400	1 062.8	1971	82 12 - SUSP 80 06
64	1.50	0.260	0.33	0.89	45	892	38	9 961	1 170.3	1980	85 04
1 079	3.66	0.198	0.40	0.88	57	881	36	10 130	983.6	1971	74 12
1 325	2.71	0.280	0.20	0.96	11	965	27	3 585	560.8	1939	86 12 - GPP
65	2.13	0.290	0.23	0.94	21	927	34	4 830	717.5	1975	82 12 - SUSP 75 06
16	3.35	0.250	0.40	0.96	18	946	28	4 680	688.2	1975	82 12 - GPP
65	0.91	0.290	0.39	0.96	19	952	29	5 360	765.7	1975	77 03 - ABAND 87 06
64	7.70	0.300	0.45	0.94	21	927	31	6 510	752.2	1972	77 12 - SUSP 79 12
16	1.50	0.270	0.36	0.96	18	970	29	5 680	744.2	1978	79 04 - ABAND 86 10
16	2.40	0.300	0.32	0.96	10	939	33	5 210	733.0	1979	80 07 - SUSP 85 01
16	5.40	0.280	0.37	0.96	17	949	30	5 401	746.0	1980	81 12 - SUSP 86 03
192	1.87	0.233	0.34	0.85	64	864	33	4 927	765.3	1982	84 01 - GPP
64	1.30	0.320	0.50	0.95	21	946	28	4 817	652.7	1981	85 02
16	2.40	0.320	0.30	0.96	17	964	25	4 627	620.7	1976	85 08
16	2.90	0.330	0.33	0.97	10	950	20	5 030	658.6	1985	87 05
32	3.49	0.300	0.25	0.96	17	934	28	5 008	656.3	1986	87 11
3 134					15	927	27	4 840	653.2	1973	87 11
88	3.24	0.300	0.33	0.96							
3 046	3.46	0.300	0.33	0.96							- GPP
156	3.46	0.290	0.32	0.96	17	965	28	5 240	687.0	1976	78 12
16	2.44	0.280	0.25	0.96	17	965	27	5 050	672.7	1976	83 12 - SUSP 86 10
32	2.21	0.300	0.34	0.97	15	958	27	4 980	688.1	1978	83 12 - SUSP 80 12
16	2.20	0.310	0.27	0.96	10	956	34	4 970	740.9	1978	82 12 - SUSP 80 02
16	2.70	0.300	0.17	0.86	70	996	31	5 610	843.1	1977	83 12 - SUSP 83 12
16	2.48	0.126	0.35	0.97	20	970	28	4 868	761.8	1986	86 10
32	1.95	0.330	0.30	0.95	20	946	30	5 507	605.3	1975	83 04
16	1.83	0.310	0.27	0.95	15	946	27	3 990	626.7	1972	85 12 - GPP
80	3.54	0.300	0.30	0.97	16	955	31	4 340	594.7	1973	86 01 - GPP
16	1.70	0.280	0.50	0.99	12	947	25	4 444	644.1	1984	85 08
16	1.00	0.250	0.43	0.93	29	980	28	3 900	591.9	1982	85 09 - ABAND 86 01
48	7.42	0.250	0.47	0.93	14	959	27	4 340	645.0	1967	82 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WAINWRIGHT 045-06W4 (CONTINUED)								
SPARKY C	327.0	0.03		9.8		9.8	1.2	8.6
SPARKY F	91.2	0.05		4.6		4.6	1.4	3.2
SPARKY G	99.0	0.05		5.0		5.0	3.3	1.7
SPARKY H	50.2	<0.01		0.1		0.1		0.1
SPARKY J TOTAL	416.0			25.0	43.4	68.4	34.5	33.9
PRIMARY AREA	106.0	0.06		6.4		6.4		
WATER FLOOD AREA	310.0	0.06	0.14	18.6	43.4	62.0		
SPARKY K	31.2	0.05		1.6		1.6	0.9	0.7
SPARKY L	31.0	0.05		1.6		1.6	0.6	1.0
SPARKY M	160.0	0.03		4.8		4.8	0.9	3.9
SPARKY N	46.2	0.03		1.4		1.4		1.4
SPARKY O	51.2	0.03		1.5		1.5		1.5
SPARKY P	44.2	<0.01		0.3		0.3	0.3	
SPARKY R	34.8	<0.01		0.1		0.1		0.1
SPARKY U	24.7	0.05		1.2		1.2	0.1	1.1
SPARKY W	39.5	<0.01		0.1		0.1		0.1
SPARKY X	40.0	0.05		2.0		2.0	0.2	1.8
SPARKY Y	26.1	0.05		1.3		1.3	0.1	1.2
SPARKY Z	15.4	0.15		2.3		2.3	0.6	1.7
WAINWRIGHT B TOTAL	3 740.0			187.0	384.0	571.0	91.5	479.5
PRIMARY AREA	1 340.0	0.05		67.0		67.0		
WATER FLOOD AREA	2 400.0	0.05	0.16	120.0	384.0	504.0		
WAINWRIGHT C TOTAL	2 100.0			126.0	55.5	182.0	81.0	101.0
PRIMARY AREA	1 730.0	0.06		104.0		104.0		
WATER FLOOD AREA	370.0	0.06	0.15	22.2	55.5	77.7		
WAINWRIGHT & SPARKY A TOTAL	44 210.0			3 029.0	10 050.0	13 080.0	9 971.3	3 108.7
PRIMARY AREA	6 745.0	<0.06		403.7		403.7		
WATER FLOOD AREA	37 460.0	<0.07	0.27	2 625.0	10 050.0	12 680.0		
GENERAL PETROLEUM B	658.0	<0.01		0.4		0.4	0.4	
GENERAL PETROLEUM C	24.0	0.10		2.4		2.4	0.2	2.2
LLOYDMINSTER A	107.0	0.10		10.8		10.8	8.9	1.9
LLOYDMINSTER B	510.0	<0.01		4.0		4.0	4.0	
LLOYDMINSTER C	88.9	<0.01		0.1		0.1		0.1
DETRITAL B	68.6	0.10		6.9		6.9	0.1	6.8
NISKU A	3 856.0	0.05		193.0		193.0	136.4	56.6
NISKU E	29.8	0.10		3.0		3.0	1.5	1.5
NISKU F	19.4	0.05		1.0		1.0	0.1	0.9
CAMROSE A	694.0	0.10		69.4		69.4	27.9	41.5
CAMROSE D	40.3	<0.02		0.5		0.5	0.5	
CAMROSE E	156.0	0.10		15.6		15.6	4.8	10.8
WARWICK 052-14W4								
UPPER MANNVILLE J	726.0	0.05		36.3		36.3	23.6	12.7
UPPER MANNVILLE V	38.8	<0.01		0.1		0.1		0.1
WILDMERE 048-05W4								
UPPER MANNVILLE A	69.8	0.05		3.5		3.5	1.8	1.7
COLONY I	338.0	0.05		16.9		16.9	4.9	12.0
COLONY U	151.0	0.05		7.6		7.6	0.1	7.5
WASECA A	115.0	0.05		5.8		5.8		5.8
SPARKY B	4 080.0	0.06		245.0		245.0	164.9	80.1
SPARKY G	164.0	0.05		8.2		8.2	4.1	4.1
SPARKY H	200.0	0.05		10.0		10.0	4.9	5.1
SPARKY I	40.2	0.03		1.2		1.2	0.1	1.1
SPARKY M	65.6	<0.01		0.1		0.1	0.1	
SPARKY N	10 800.0	0.05		540.0		540.0	57.6	482.4
SPARKY O	733.0	0.05		36.7		36.7	3.2	33.5
SPARKY P	37.8	0.05		1.9		1.9		1.9
SPARKY Q	115.0	0.03		3.5		3.5		3.5
SPARKY R & GENERAL PETROLEUM C	119.0	<0.01		0.1		0.1	0.1	
SPARKY J & GENERAL PETROLEUM B	611.0	0.02		12.2		12.2	1.6	10.6
GENERAL PETROLEUM A	400.0	0.05		20.0		20.0	11.4	8.6
GENERAL PETROLEUM D	101.0	0.03		3.0		3.0		3.0
LLOYDMINSTER B	217.0	0.05		10.9		10.9	1.4	9.5
LLOYDMINSTER C	2 050.0	0.03		61.5		61.5	25.4	36.1
LLOYDMINSTER D	401.0	0.02		8.0		8.0	3.4	4.6
LLOYDMINSTER E	140.0	0.05		7.0		7.0	1.6	5.4
LLOYDMINSTER F	190.0	<0.01		0.3		0.3	0.3	

9 AREA (ha)	10 AVERAGE PAY THICKNESS (m)	11 POROSITY (frac)	12 WATER SATN (frac)	13 SHRINKAGE (frac)	14 INITIAL SOLUTION GOR (m^3/m^3)	15 DENSITY (kg/m^3)	16 TEMP (°C)	17 INITIAL PRESSURE (kPa)	18 MEAN FORMATION DEPTH (m)	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	2.13	0.330	0.25	0.96	16	959	31	4 343	657.0	1976	77 12
32	2.30	0.240	0.40	0.93	15	921	27	3 850	639.7	1978	79 11
32	2.00	0.260	0.38	0.96	16	945	25	4 510	635.5	1978	81 12 - GPP
16	3.00	0.220	0.50	0.95	23	950	28	4 519	627.6	1980	80 09 - SUSP 83 07
156					14	960	30	4 547	657.9	1981	87 12
56	1.20	0.270	0.37	0.93							
100	1.96	0.270	0.37	0.93							- GPP
8	2.50	0.250	0.33	0.93	32	904	30	4 340	615.8	1981	82 04
8	2.30	0.270	0.35	0.96	16	921	33	4 816	614.4	1982	83 08
32	3.00	0.290	0.40	0.96	16	920	33	4 298	714.5	1982	83 12
16	2.70	0.230	0.50	0.93	14	960	25	4 324	648.2	1983	84 09
16	2.50	0.250	0.45	0.93	14	960	23	3 981	626.3	1984	84 09 - SUSP 85 07
16	2.00	0.270	0.45	0.93	14	960	27	4 417	627.5	1984	84 09 - ABAND 85 08
16	1.70	0.250	0.45	0.93	20	960	25	3 252	630.3	1984	84 11 - SUSP 85 07
16	1.20	0.260	0.48	0.95	12	960	23	3 904	652.0	1984	85 03
16	1.60	0.280	0.42	0.95	21	980	28	4 221	634.4	1985	85 09 - ABAND 85 12
16	1.70	0.280	0.44	0.94	12	939	26	4 110	614.1	1985	86 01
16	1.30	0.270	0.50	0.93	12	924	26	4 369	680.8	1985	86 04
16	0.71	0.260	0.44	0.93	12	930	25	4 200	634.9	1985	86 04
704					14	904	27	4 527	662.8	1975	86 11
240	3.29	0.270	0.41	0.96							
414	3.63	0.270	0.45	0.96							
363					15	921	27	4 770	690.2	1926	85 07
305	3.55	0.260	0.34	0.93							
58	4.00	0.260	0.34	0.93							
6 630					15	921	27	4 830	639.5	1925	87 09
1 163	3.06	0.300	0.32	0.93							
5 467	3.22	0.313	0.27	0.93							- GPP
65	5.18	0.310	0.32	0.93	24	904	23	4 450	638.6	1975	76 07 - ABAND 76 02
8	2.70	0.240	0.50	0.93	10	906	30	4 565	662.2	1985	87 07
8	7.92	0.300	0.40	0.93	14	921	28	4 310	654.4	1968	69 02 - GPP
64	3.39	0.330	0.25	0.95	32	959	28	4 480	679.7	1974	83 12 - ABAND 83 03
16	3.00	0.300	0.35	0.95	21	952	28	6 400	663.8	1981	82 05 - ABAND 81 12
16	2.50	0.330	0.35	0.80	90	855	29	2 019	688.7	1984	87 12
528	6.58	0.170	0.32	0.96	14	957	24	3 493	641.5	1982	86 08
16	4.90	0.090	0.56	0.96	15	953	25	4 337	664.8	1985	87 12
16	3.00	0.100	0.58	0.96	15	953	24	4 305	656.9	1985	86 06
156	3.84	0.180	0.33	0.96	31	955	29	4 350	655.8	1984	86 01
16	3.20	0.140	0.42	0.97	10	960	27	3 995	700.6	1986	87 12
32	4.53	0.180	0.39	0.98	15	965	26	4 311	659.7	1985	87 12
128	3.42	0.275	0.33	0.90	22	910	29	5 670	652.6	1971	79 12 - SUSP 86 10
16	1.52	0.270	0.40	0.97	11	927	29	5 210	584.9	1977	79 12 - ABAND 78 10
16	1.83	0.320	0.24	0.97	15	952	21	4 140	595.0	1975	85 12 - SUSP 86 09
48	2.95	0.330	0.27	0.99	8	977	22	3 940	574.3	1980	83 06 - GPP
16	4.30	0.320	0.30	0.98	15	970	22	3 500	560.6	1974	85 06 - SUSP 86 03
16	3.40	0.280	0.23	0.98	7	987	28	4 187	601.1	1985	87 08
597	2.59	0.320	0.15	0.97	15	959	32	6 900	607.7	1965	86 12 - GPP
64	1.75	0.280	0.46	0.97	14	939	26	5 874	600.0	1979	81 02
73	1.60	0.290	0.39	0.97	10	953	25	3 216	549.7	1979	85 12 - GPP
16	1.20	0.300	0.28	0.97	10	958	25	3 210	548.7	1980	81 05
16	2.20	0.320	0.40	0.97	12	984	25	5 874	586.9	1981	82 05 - ABAND 85 07
913	5.39	0.310	0.27	0.97	14	966	23	4 600	565.3	1982	86 03
112	3.06	0.300	0.28	0.99	10	973	28	4 840	657.8	1983	84 08
16	1.80	0.260	0.48	0.97	13	981	21	5 523	561.4	1977	84 08
16	3.20	0.310	0.25	0.97	25	980	25	4 512	633.4	1984	84 08
32	2.00	0.300	0.36	0.97	11	982	29	4 400	622.3	1981	84 12 - SUSP 85 03
163	1.87	0.300	0.31	0.97	13	950	25	4 376	590.2	1979	86 05 - SUSP 86 06
64	2.98	0.300	0.28	0.97	11	935	29	4 400	625.1	1977	85 12
16	2.90	0.320	0.30	0.97	12	987	24	4 429	639.3	1986	86 11
16	5.48	0.310	0.19	0.99	9	965	26	3 790	591.6	1973	85 04 - SUSP 86 11
208	4.52	0.290	0.24	0.99	9	993	27	4 740	646.5	1978	84 12 - GPP
32	4.92	0.310	0.17	0.99	9	997	25	4 570	686.1	1978	84 12 - GPP
16	4.20	0.280	0.25	0.99	12	997	24	4 760	648.9	1980	82 04 - SUSP 86 10
16	5.00	0.300	0.20	0.99	9	990	25	4 440	672.5	1981	82 05 - SUSP 84 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
WILDMERE 048-05W4 (CONTINUED)								
LLOYDMINSTER G	143.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER H	133.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER I	97.0	0.05		4.9		4.9	1.4	3.5
LLOYDMINSTER K	184.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER L	169.0	0.05		8.5		8.5	2.4	6.1
LLOYDMINSTER M	177.0	0.05		8.9		8.9	1.2	7.7
LLOYDMINSTER N	216.0	0.05		10.8		10.8	0.8	10.0
LLOYDMINSTER P	2 522.0	0.03		75.6		75.6	9.2	66.4
LLOYDMINSTER Q	242.0	0.05		12.1		12.1	1.5	10.6
LLOYDMINSTER R	100.0	0.05		5.0		5.0	0.4	4.6
LLOYDMINSTER V	1 600.0	0.01		16.0		16.0	4.4	11.6
LLOYDMINSTER W	295.0	0.05		14.8		14.8	0.1	14.7
LLOYDMINSTER A & SPARKY E TOTAL	39 100.0			1 950.0	960.0	2 910.0	1 755.5	1 154.5
PRIMARY AREA	27 100.0	0.05		1 350.0		1 350.0		
WATER FLOOD AREA	12 000.0	0.05	0.08	600.0	960.0	1 560.0		
WRENTHAM 006-16W4								
GLAUCONITIC A	67.4	0.07		4.7		4.7	3.7	1.0
GLAUCONITIC B	229.0	0.10		22.9		22.9	8.1	14.8
LOWER MANNVILLE A	333.0	<0.01		0.4		0.4	0.1	0.3
LOWER MANNVILLE B WATER FLOOD	1 180.0	0.08	0.12	94.4	142.0	236.0	202.1	33.9
LOWER MANNVILLE C TOTAL	2 053.0			206.0	85.3	291.0	232.8	58.2
PRIMARY AREA	1 200.0	0.10		120.0		120.0		
WATER FLOOD AREA	853.0	0.10	0.10	86.0	85.3	171.0		
LOWER MANNVILLE E	554.0	0.07		38.8		38.8	26.3	12.5
LOWER MANNVILLE F	855.0	0.05		42.8		42.8	17.4	25.4
LOWER MANNVILLE G	384.0	0.07		26.9		26.9	17.3	9.6
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	9.0	2.4
UNDEFINED AND CONFIDENTIAL POOLS	35 059.8			1 643.6		1 643.6	224.6	1 429.3
TOTAL HEAVY CRUDE OIL	1 308 961.2			96 085.9	49 439.6	145 548.9	95 110.9	50 448.9
PROVINCIAL TOTAL OF LIGHT-MEDIUM AND HEAVY CRUDE OIL	7 965 745.4			1 521 659.3	673 307.1	2 194 988.6	1 581 639.0	613 800.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	4.00	0.300	0.25	0.99	9	984	25	4 460	631.3	1981	82 07 - ABAND 85 06
16	4.00	0.270	0.22	0.99	9	996	29	4 495	684.0	1981	82 10 - ABAND 86 05
16	3.50	0.250	0.30	0.99	9	988	23	4 570	650.3	1982	82 10 - SUSP 86 09
16	5.70	0.280	0.25	0.96	38	952	24	4 616	701.7	1983	83 11 - SUSP 85 03
16	5.00	0.290	0.25	0.97	16	983	26	5 075	652.6	1983	84 02
16	5.50	0.290	0.30	0.99	27	979	25	4 760	643.5	1982	83 04
16	5.80	0.300	0.20	0.97	16	932	26	4 755	644.8	1982	83 05 - SUSP 86 09
176	6.35	0.300	0.24	0.99	16	980	26	4 860	653.4	1984	87 07
16	6.50	0.300	0.20	0.97	16	986	26	4 560	646.6	1983	84 11
16	4.00	0.270	0.40	0.97	16	986	26	4 701	651.0	1984	84 11 - SUSP 86 09
112	6.25	0.310	0.24	0.97	16	969	26	4 960	669.5	1985	87 12
16	7.50	0.310	0.20	0.99	12	990	30	3 750	657.8	1986	86 12
2 517					10	946	26	4 765	618.6	1966	81 02 - GPP
1 893	5.99	0.320	0.23	0.97							
624	8.05	0.320	0.23	0.97							
16	3.07	0.200	0.27	0.94	22	934	37	5 730	994.0	1976	85 12
48	4.16	0.200	0.39	0.94	22	930	34	9 603	979.2	1982	84 09
32	8.70	0.190	0.33	0.94	10	934	36	9 629	977.5	1967	82 12 - SUSP 83 10
78	10.47	0.220	0.33	0.98	10	934	31	9 630	945.5	1967	86 04 - GPP
386					10	934	31	9 550	941.2	1967	86 12 - GPP
225	3.95	0.200	0.31	0.98							86 12 - GPP - MRL
161	3.66	0.220	0.33	0.98							
96	5.07	0.170	0.31	0.97	10	937	30	9 050	952.6	1979	85 12
144	5.89	0.180	0.41	0.95	10	935	30	9 567	1 002.4	1979	86 01
80	4.85	0.200	0.49	0.97	10	935	30	9 463	970.4	1985	87 12
16	4.62	0.210	0.25	0.98	10	934	31	10 575	974.3	1978	86 04

3 RESERVES OF CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

3.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of crude bitumen from the deposits under active development to be 511 million cubic metres for the surface mineable schemes and 62.2 million cubic metres for the in situ schemes. The initial established reserves attributed to the in situ schemes under active development at the end of 1987 were about 28 per cent above those for 1986.

The changes for established crude bitumen reserves are shown below:

	1987	1986	Change
	$10^6\ m^3$		
Initial Established Reserves			
Surface Mineable	644.0	644.0	–
In Situ	84.3	65.9	+18.4
Total	728.3	709.9	+18.4
Cumulative Production			
Surface Mineable	133.0	120.0	+13.0
In Situ	22.1	14.4	+ 7.7
Total	155.1	134.4	+20.7
Remaining Established Reserves			
Surface Mineable	511.0	524.0	−13.0
In Situ	62.2	51.5	+10.7
Total	573.2	575.5	− 2.3

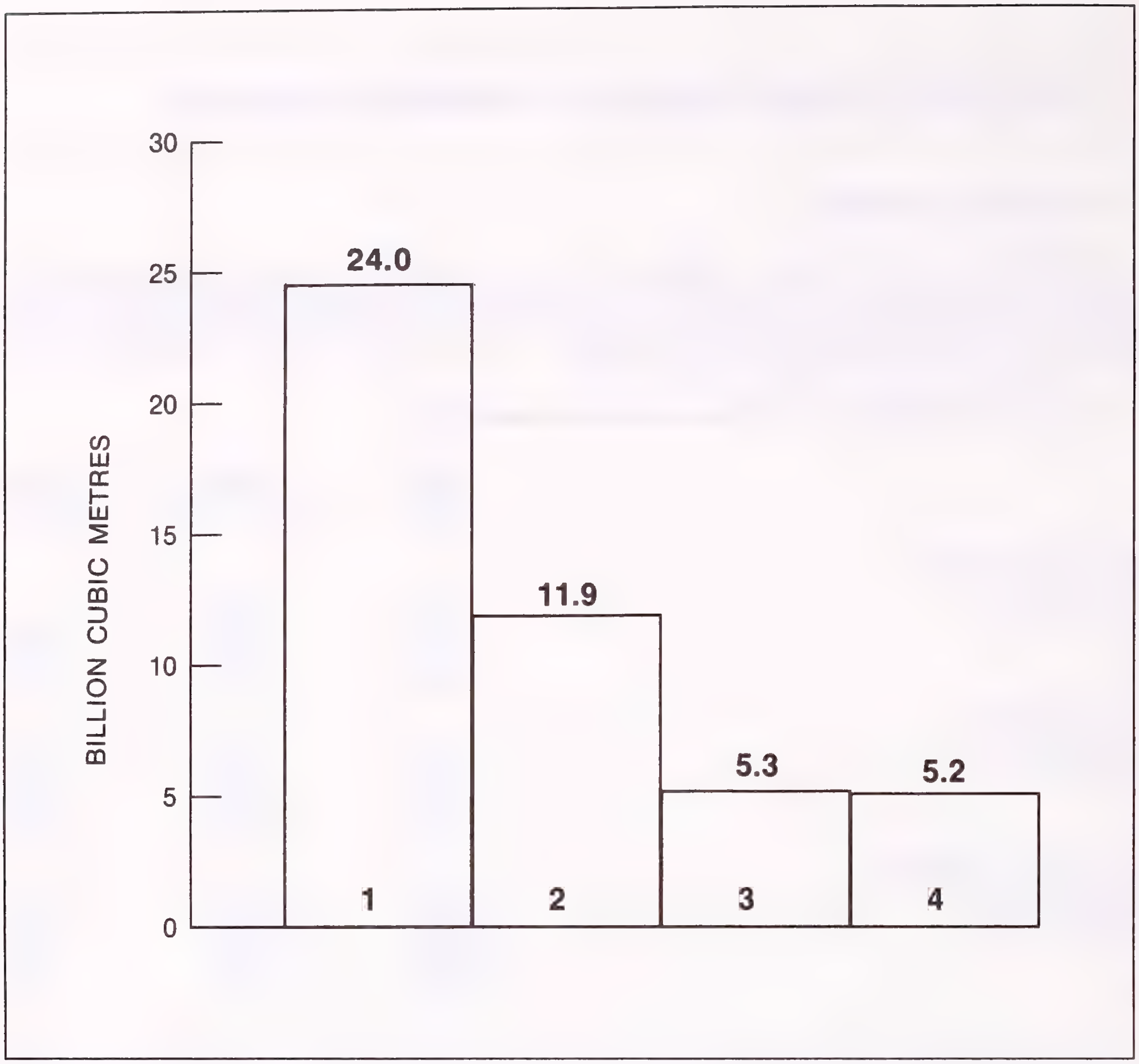
The net change to the initial established in situ crude bitumen reserves for 1987 comprised 13.1 million cubic metres added from the Cold Lake Commercial projects as the result of continued drilling and 5.3 million cubic metres added from experimental schemes due to new drilling and the extension of the terms of approval for existing projects.

Synthetic crude oil production resulting from the crude bitumen production at the two mining schemes amounted to some 10.5 million cubic metres with 7.9 million cubic metres from the Syncrude project and 2.6 million cubic metres from the Suncor project.

3.2 INITIAL IN-PLACE VOLUMES OF CRUDE BITUMEN

Alberta's massive crude bitumen reserves are contained in sand and carbonate sedimentary formations in the Athabasca, Cold Lake, and Peace River oil sands areas. Oil Sands Area Orders (OSA Orders) outline the general areal extent of crude bitumen occurrence and Oil Sands Deposit Orders (OSD Orders) outline the specific geological zones which have been declared as oil sands deposits.

Initial in-place volumes of crude bitumen in each deposit were estimated for this report using drillhole data available to the end of 1987. The crude bitumen within the Cretaceous sands was determined using a minimum saturation cut-off of 3 mass per cent crude bitumen, and a minimum saturated zone thickness of 1.5 metres. The "building-block" approach, previously used to identify in-place volumes within the surface-mineable area of the Athabasca deposit, has been replaced by computerized methods employing the geostatistical technique known as kriging. Revisions to the initial volume in place for the Athabasca Wabiskaw-McMurray shown in Table 3-1 are



1. INITIAL VOLUME IN-PLACE. Gross volume of crude bitumen established to exist within the surface mineable area.
2. INITIAL MINEABLE VOLUME IN-PLACE. Volume of crude bitumen calculated using minimum saturation and thickness criteria, and based upon the application of economic stripping - ratio criteria within the surface mineable area.
3. INITIAL ESTABLISHED MINEABLE RESERVE. Volume of crude bitumen established within category 2, but excluding mining, extraction, and isolated ore losses, and areas unavailable due to placement of mine surface facilities and environmental buffer zones.
4. REMAINING ESTABLISHED MINEABLE RESERVE. Volume of crude bitumen established within category 3, less cumulative production.

FIGURE 3-1 CRUDE BITUMEN RESERVE CATEGORIES WITHIN THE SURFACE-MINEABLE AREA

primarily attributable to a refinement in calculation method and to a minor degree, the application of computerized techniques. As a result of the ability to use a smaller block size, the initial volume in place within the Athabasca River Valley has been excluded from those listed in Table 3-1 and Figure 3-1, within the overburden depths applicable to the surface-mineable area. The areal extent has also been reduced to reflect this change. Differences in values for the remaining corresponding columns are a result of the re-distribution of reserves within the overburden depth categories employing the more detailed computerized techniques.

Exclusive of the surface-mineable area, the building-block approach remains the method used to identify the in-place volumes within each deposit. Each deposit was divided into 2340-hectare (quarter-township) blocks and the initial in-place volume of crude bitumen in each block was determined using the average properties of the wells drilled in the block. Blocks not containing wells were assigned conservative values based on the lowest initial in-place volume of crude bitumen calculated for an adjacent block.

The only changes in the Cretaceous sands outside of the surface-mineable area occurred in the Peace River deposits and were the result of new drilling and re-evaluation of existing geological data.

The crude bitumen in-place volumes in the carbonate deposits were determined on the basis of isopach mapping rather than the building-block method. A minimum bitumen saturation of 30 per cent of pore volume and a porosity value of 5 per cent were used as cut-offs in this evaluation.

The total initial volumes of crude bitumen in place for the designated deposits at 31 December 1987 were estimated at 267 billion cubic metres, not significantly changed from last year. The details for each deposit are presented in Table 3-1.

3.3 SURFACE-MINEABLE CRUDE BITUMEN AND SYNTHETIC CRUDE OIL RESERVES

The method used to determine the initial mineable volume of in-place reserves of crude bitumen for the surface-mineable area was also changed with this year's publication. As described in Section 3.2, the Board has automated the reserve calculation procedure using a geostatistical approach to determine potential mineable reserves within that part of the Athabasca Wabiskaw-McMurray deposit where total overburden and top reject thicknesses generally do not exceed 75 metres.

Potentially mineable areas were identified by economic stripping ratio (ESR) criteria, a minimum saturation cut-off of 5 mass per cent bitumen and a minimum saturated zone thickness of 1.5 metres. The ESR criteria are fully explained in Appendix III of ERCB Report 79-H[1]. As indicated in the 1986 edition of this report, the Board has revised the ESR criteria for varying bitumen saturations to reflect recent cost and price information. The extraction recoveries previously applied as part of the ESR criteria have been modified to reflect recent improvements demonstrated in industry. The Board believes that future commercial oil sands projects would achieve equivalent or improved recoveries of bitumen. Reserve volumes calculated using revised ESR criteria show a negligible change from those published in 1986, and therefore no change has been made to the values contained in this section.

The initial mineable volume in place of crude bitumen within the potentially mineable areas was established to be 11.9 billion cubic metres. After allowing for surface facilities (plant sites, tailings ponds, discard sites), environmental protection corridors along major rivers, and isolated mineable areas, and assuming a combined mining/extraction recovery factor of 0.82, the resulting initial established mineable reserve of crude bitumen is estimated to be 5.3 billion cubic metres as shown in Figure 3-1. Technological improvements, better placement of surface facilities in future projects, and improved price/cost economics could increase this estimate.

Only a small portion of the initial established mineable reserves is being actively developed. The surface mining projects of Suncor and Syncrude are currently the only schemes under active development. The estimated established mineable crude bitumen reserves for those projects as at 31 December 1987 are shown below:

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[1] Energy Resources Conservation Board, 1979. Alsands Fort McMurray Project ERCB Report 79-H. Calgary, Alberta.

Development	Project Area[a]	Initial Mineable Volume in Place[b]	Initial Established Mineable Reserve[b]	Cumulative Production	Remaining Established Mineable Reserve
	ha	10^6 m^3			
Suncor	3 030	216	168	66	102
Syncrude	11 860	807	476	67	409
Total	14 890	1 023	644	133	511

[a] The project areas correspond to the areas defined by the scheme approval and include mineable and other disturbed areas.

[b] Definitions are given in Figure 3-1.

The yield of synthetic crude oil through upgrading of crude bitumen is dependent upon the type of upgrading technology, the degree and manner of production and utilization of any residual product such as coke or light-ends, and the degree to which off-site energy sources (eg. natural gas) are used. The yield factor for the existing Suncor delayed coking operation is 0.77, while that for the current operation at Syncrude is 0.82. Having regard for the Syncrude Capacity Addition Project installations now approved and under construction, which provide increased yields through upstream hydrogen addition, the Board has adopted a synthetic crude oil yield factor of 0.80. The natural gas methane requirements to achieve this yield are approximately 110 cubic metres per cubic metre of synthetic crude oil. Using the 0.80 yield factor, initial established reserves of synthetic crude oil from the 5.3 billion cubic metres of crude bitumen in the surface-mineable area are estimated at 4.2 billion cubic metres.

3.4 IN SITU CRUDE BITUMEN RESERVES

The Board has assigned initial volumes in place and initial and remaining established reserves for commercial projects and active experimental schemes where all or a portion of the wells have been drilled and completed. In this reserves report, an aggregate reserve is shown for all active experimental schemes as well as an estimate of initial volumes in place and remaining established reserves for terminated schemes. An aggregate reserve is also shown for all projects within a given oil sands deposit and area for commercial schemes.

For commercial projects where the crude bitumen can only be recovered by the application of some form of thermal energy, only the areas actually developed for thermal recovery have been included in the established reserves notwithstanding the size of the approved project areas. The initial volume in place for developed areas in each project was based on the assigned drainage areas and had regard for the spacing of the individual wells or well clusters. Established reserves were then determined for the currently approved recovery mechanism. It should be noted that future experimentation and technological improvements may result in higher recovery of crude bitumen. For those projects with a primary recovery (pumping wells at natural temperature) component[2], the in-place volume was based on the assumed full development of all project lands not currently developed for thermal recovery.

The initial established primary reserves for the Lindbergh area were based on a 2 per cent average primary recovery factor for the Cummings sands, and a 0.1 per cent average primary recovery factor for other Mannville sands. The initial established reserves for the Lindbergh thermal production areas were determined by summing the thermal reserves recognized for each project. This resulted in an average recovery factor of 15 per cent for the Mannville group of sands. For all other oil sands areas, the initial established reserves were determined by totalling the individual project reserves in each deposit. The individual project reserves estimates were based on historical and predicted production levels for each project.

For the drilled wells in the active experimental schemes, an initial established reserve figure of 18.1 million cubic metres is considered to be appropriate based on current well productivity, cumulative production, and the project production to the expiry date of each experimental scheme. Information from some 1200 wells was used in determining the experimental reserves figures.

The Board's estimate of the established in situ crude bitumen reserves is shown in Table 3-2.

[2] For the general Lindbergh area, the initial phase of development will entail cold fluid pumping to create reservoir voidage prior to the implementation of the approved thermal recovery technique.

TABLE 3-2 ESTABLISHED IN SITU CRUDE BITUMEN RESERVES
As at 31 December 1987

Development	1 Initial Volume in Place[a]	2 Recovery Factor	3 Initial Established Reserves	4 Cumulative Production[b]	5 Remaining Established Reserves
	10^6 m^3	Percentage	10^6 m^3		
Peace River Commercial Project					
Thermal-Bluesky/Gething	16.0	40.0	6.4	0.6	5.8
Subtotal	16.0		6.4	0.6	5.8
Cold Lake Commercial Projects					
Cold Lake					
Thermal-Clearwater	245.0	18.1	44.3	7.1	37.2
Subtotal	245.0		44.3	7.1	37.2
Lindbergh					
Primary-Cummings 1 & 2	249.3	2.0	5.0		
-Other Mannville	267.1	0.1	0.3		
Thermal-Cummings 1 & 2	21.7	15.0	3.3		
-Other Mannville	4.3	17.0	0.7		
Subtotal	542.4		9.3	2.0	7.3
Other Lindbergh					
Primary-Cummings 1 & 2	246.9	2.0	5.0		
-Other Mannville	651.6	0.1	0.7		
Subtotal	898.5		5.7	1.1	4.6
Subtotal	1 685.9		59.3	10.2	49.1
Experimental Schemes					
Active	136.3	13.3	18.1	10.8	7.3
Terminated	19.2	2.6	0.5	0.5	
Subtotal	155.5		18.6	11.3	7.3
Total	1 857.4		84.3	22.1	62.2

[a] Thermal reserves are assigned only for lands approved for thermal developments and having completed drilling development.

[b] Cumulative production to 31 December 1987.

ERCB

Reserves of Crude Bitumen and Basic Data

TABLE 3-1

OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	1 INITIAL VOLUME IN PLACE $10^6 m^3$	2 AREA $10^3 ha$	3 AVERAGE PAY THICKNESS m	4 BITUMEN SATURATION mass frac	 pore vol frac	5 POROSITY frac	6 WATER SATN frac	7 REMARKS
ATHABASCA								
WABISKAW-MCMURRAY								
0 - 20	6 880	86	38	0.098		0.29	0.26	
20 - 40	7 780	103	37	0.096		0.29	0.27	
40 - 80	6 960	98	36	0.090		0.28	0.31	
80 - 120	2 330	26	46	0.097		0.27	0.27	WITHIN MINEABLE AREA
80 - 750+	117 800	4 329	19	0.069		0.28	0.38	
SUBTOTAL	141 750							
UPPER GRAND RAPIDS								
150 - 450+	4 140	334	9	0.062		0.30	0.45	
SUBTOTAL	4 140							
MIDDLE GRAND RAPIDS								
150 - 450+	1 410	182	5	0.077		0.30	0.32	
SUBTOTAL	1 410							
LOWER GRAND RAPIDS								
150 - 450+	1 220	173	6	0.051		0.30	0.55	
SUBTOTAL	1 220							
GROSMONT								
A	9 840	939	10		0.60	0.14	0.40	
B	5 380	976	5		0.69	0.15	0.31	
C	15 390	1 189	10		0.75	0.16	0.25	
D	19 890	1 063	16		0.67	0.20	0.33	
SUBTOTAL	50 500							
NISKU								
200 - 800+	10 330	499	8		0.63	0.21	0.37	
SUBTOTAL	10 330							
COLD LAKE								
UPPER GRAND RAPIDS								
300 - 600	7 400	816	6	0.065		0.30	0.42	
SUBTOTAL	7 400							
LOWER GRAND RAPIDS								
COLD LAKE AREA	11 650	740	12	0.069		0.31	0.40	
LINDBERGH AREA								
SPARKY	74	10	3	0.106	0.72	0.31	0.28	
LOWER GRAND RAPIDS 2	21	4	3	0.095	0.67	0.31	0.33	
LOWER GRAND RAPIDS 3	40	4	5	0.085	0.77	0.31	0.26	
LOWER GRAND RAPIDS 4	149	16	4	0.117		0.32	0.23	
LLOYDMINSTER	347	14	9	0.125	0.81	0.33	0.19	
SUBTOTAL	12 280[a]							
CLEARWATER								
300 - 600	11 330	561	12	0.078	0.56	0.30	0.44	
SUBTOTAL	11 330							
WABISKAW-MCMURRAY								
COLD LAKE AREA	3 160	591	6	0.057		0.25	0.49	
LINDBERGH AREA								
CUMMINGS 1	283	32	5	0.089		0.30	0.27	
CUMMINGS 2	235	25	5	0.089		0.31	0.24	
MCMURRAY	217	18	5	0.108	0.76	0.31	0.24	
SUBTOTAL	3 900[a]							
PEACE RIVER								
BLUESKY-GETHING								
300 - 700	12 140	987	13	0.046	0.54	0.24	0.46	
SUBTOTAL	12 140							
UPPER DEBOLT								
500 - 800	1 830	100	13		0.61	0.19	0.39	
SUBTOTAL	1 830							

TABLE 3-1

OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	1 INITIAL VOLUME IN PLACE 10^6m^3	2 AREA 10^3ha	3 AVERAGE PAY THICKNESS m	4 BITUMEN SATURATION mass frac	 pore vol frac	5 POROSITY frac	6 WATER SATN frac	7 REMARKS
PEACE RIVER (CONTINUED)								
LOWER DEBOLT								
500 - 800	5 970	202	29		0.67	0.18	0.30	
SUBTOTAL	5 970							
SHUNDA								
500 - 800	2 510	143	14		0.52	0.23	0.48	
SUBTOTAL	2 510							
BELLOY								
675 - 700	232	26	8		0.64	0.27	0.36	
SUBTOTAL	232							
TOTAL	267 000[a]							

[a] DISCREPANCIES ARE DUE TO ROUNDING.

4 RESERVES OF GAS

4.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of marketable gas in Alberta at 31 December 1987 to be 1652 billion cubic metres, having a thermal (heating value) energy content of 64.1 exajoules. This represents a net decrease of 68 billion cubic metres since 31 December 1986. The reserves include ethane and natural gas liquids subsequently recovered at reprocessing plants as discussed in section 4.8. The changes in reserves during 1987 are shown below:

	Remaining Established Reserves of Marketable Gas			
	Actual Heating Value Basis	Change	37.4 MJ/m³ Basis	Energy Content
	$10^9\ m^3$			10^{18} J
At 31 December 1986				
Associated and solution	292.5			
Non-associated	1 427.6			
Total	1 720.1[a]		1 790.3	67.0
Additions during 1987	0.0		0.0	0.0
Less production during 1987	68.4		76.6	2.9
At 31 December 1987				
Associated and solution	286.1	– 6.4	307.1	11.5
Non-associated	1 365.7	– 61.9	1 406.6	52.6
Total	1 651.7[a]	– 68.4[a]	1 713.7	64.1
	(58 626)[b]		(60 826)[c]	

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[c] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

At year-end 1987, gas reserves were assigned to 20 406 pools in the province. Of these, 6971 had produced or are being produced and had remaining established reserves of 1151 billion cubic metres after cumulative production of 1375 billion. The 13 435 pools not on production had aggregate initial established reserves of marketable gas of 500 billion cubic metres, including 34 billion cubic metres of associated initial marketable gas reserves (gas-cap gas) classified as deferred.

4.2 REVISION OF GAS COMPOSITION PARAMETER

During 1987, the Board made major revisions to the gas analysis data on its gas reserves computer file. These revisions involved replacing incomplete or erroneous analyses with computer-calculated pool average gas analyses developed in another of the Board's data systems.

Where a new gas analysis was assigned to a pool, the Board utilized the new gas analyses to recalculate several other reserve parameters including critical temperature and pressure, compressibility factor, gas/rock ratio, gas-in-place, and producible gas.

Additionally, a gas plant recovery efficiency was required in order to calculate surface loss, gross heating value of the marketable gas, and the remaining energy for a pool. For producing pools, the Board used historical production data to determine the plant to which a pool is connected and the recovery efficiency of the plant. For non-producing pools, recovery efficiencies were estimated based on gas composition.

While the new gas analyses and recalculations resulted in few significant reserve changes, the reader is cautioned that small reserve changes will be apparent in many pools. The Board is convinced that the changes represent a significant improvement in its detailed reserves data.

4.3 SMALL GAS POOL RESERVES

The Board's review of small gas pool reserves has continued and is still not yet complete. In 1986 the review focused on producing single-well pools (see section 4.2 of report ERCB ST 87-18). During 1987, attention was focused on the 13 000 shut-in small gas pools. Preliminary estimates indicate that a significant overall reduction of reserves recognition is warranted, and the Board has therefore decided to make an initial arbitrary reduction at this stage. A lump sum reduction of some 15.0 billion cubic metres (listed at the end of Table 4-5) was made for year-end 1987. The quantity of this reduction was selected simply to match the reserves additions realized throughout the province during 1987, to result in an overall nil growth in initial established reserves. Some further reductions can be expected when the study is complete, and at that time the corrections to individual pools will also be available.

4.4 RESERVES OF GAS CONTAINING HYDROGEN SULPHIDE

The file clean-up procedures referred to in section 4.2 resulted in a significant number of pools being added to the sour gas category which were previously considered sweet, and within the sour gas category the H_2S content of a number of pools was revised. For that reason the 1987 annual marketed production by mole percentage of H_2S in the raw gas has not been shown.

Some 1684 gas pools in the province contain at least some hydrogen sulphide and may be classed as "sour". The distribution of established reserves of sweet and sour gas is shown below:

Type of Gas	Raw Gas: Initial Volume in Place	Raw Gas: Initial Producible	Marketable Gas: Initial Established Reserves	Marketable Gas: Net Cumulative Production	Marketable Gas: Remaining Established Reserves
	10^6 m^3				
Sweet					
Associated	332 221	267 631	368 040	181 774	186 266
Solution	428 477	189 053			
Non-associated	2 363 774	1 715 703	1 596 350	586 977	1 009 373
Subtotal	3 124 472	2 172 387	1 964 390	768 751	1 195 639
Sour					
Associated	254 156	201 126	228 763	128 950	99 813
Solution	230 326	136 271			
Non-associated	1 535 746	1 166 331	848 505	477 265	371 240
Subtotal	2 020 228	1 503 728	1 077 268	606 215	471 053
Small gas pool reduction	– 22 157	– 16 618	– 14 956	–	– 14 956
Total	5 122 543	3 659 497	3 026 702	1 374 966	1 651 736
	(181 818)[a]	(129 889)[a]	(107 429)[a]	(48 803)[a]	(58 626)[a]

[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

The distribution of marketed gas production by hydrogen sulphide content in raw gas is shown below:

H_2S Content in Raw Gas	1987 Cumulative Marketed Production	
Mole Percentage	10^6 m^3	Percentage of total
0.00	768 751	55.91
0.00-1.99	215 860	15.70
2.00-9.99	228 297	16.60
10.00-19.99	93 721	6.82
20.00-29.99	18 419	1.34
30.00 or more	49 918	3.63
Total	1 374 966	100.00

Sulphur reserves are discussed in Chapter 7.

4.5 DISTRIBUTION OF GAS RESERVES BY POOL SIZE

The distribution of initial established reserves of marketable gas among pools of different size ranges is shown below. For the purposes of this table where gas production from two or more pools is commingled in the wellbore, the pools are considered as one pool, the SE Alta Gas System (MU) is considered on a field basis, and associated and solution gas reserves in a pool have been combined.

Reserve Range	Pools		Initial Established Reserves	
10^6 m^3	Number	Percentage of total	10^6 m^3	Percentage of total
3000 or more	144	0.7	1 660 244	54.6
1500-2999	85	0.4	175 811	5.8
300-1499	818	4.0	483 985	15.9
1-299	19 359	94.9	721 618	23.7
Subtotal	20 406	100.0	3 041 658	100.0
Small gas pool reduction	–	–	– 14 956	–
Total	20 406	100.0	3 026 702 (107 429)[a]	100.0

[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

4.6 GROWTH OF MARKETABLE GAS RESERVES

The zero net addition to the initial established reserves during 1987 resulted from some 9 billion cubic metres from new discoveries made during the year plus 6 billion cubic metres attributed to development drilling and the reassessment of previously discovered reserves and reserves discovered before 1987 but first recognized by the Board in 1987, all of which were offset by the 15 billion cubic metre small pool reduction as described in section 4.3.

The reserve growth rate is more fully discussed in Chapter 8.

The pools for which initial recoverable marketable gas reserves were revised by more than 1000 million cubic metres in 1987 are listed in Table 4-1. The revisions occurred primarily as a result of detailed reviews of the reserves of these pools by operators and Board staff.

4.7 RESERVES OF POOLS CALCULATED ON AN ENERGY BASIS

Reserves of major retrograde condensate pools are tabulated on both an energy and a volumetric basis. Table 4-2 lists the initial energy in place, the recovery factor and surface loss factor (both on an energy basis), and the initial marketable energy for each pool. The table also lists raw- and marketable-gas heating values used to convert from a volumetric to an energy basis. The volumetric reserves of these pools are included in Table 4-5, but with recovery factors and surface loss factors deleted.

4.8 RESERVES OF ETHANE AND NATURAL GAS LIQUIDS INCLUDED IN GAS RESERVES

The remaining established reserves of natural gas discussed in section 4.1 are determined at the field gate. A portion of the ethane and natural gas liquids they contain enter trunk line systems and will be extracted downstream at reprocessing plants. If these quantities which will be extracted are deducted from the remaining established reserves of marketable gas, the gas reserves and the thermal energy content would be reduced from 1652 billion to 1598 billion cubic metres and from 64.1 to 59.7 exajoules, respectively, as shown at the end of Table 4-5.

Reserves of ethane and natural gas liquids are discussed in more detail in Chapters 5 and 6, respectively.

4.9 DISCUSSION OF RESERVES TABLE 4-5

The established reserves of marketable gas have been estimated, having regard for information presented by the industry in submissions and studies by the Board staff.

The established reserves of gas are listed in Table 4-5 alphabetically by strike area. Strike areas where no field has been designated by the Board are identified by "SA" immediately following the name. The approximate location of the strike area is also given. The data presented are condensed from the gas reserve system data file.[1] Pools having initial marketable gas reserves greater than or equal to 300 million cubic metres are listed individually. Pools having reserves less than 300 million cubic metres are grouped within each field or area and presented as a total. The total reserve in a field or area is shown as the last entry.

Where the established reserve for a pool is based on material-balance or production-decline calculations, the reservoir factors last established for the pool for volumetric calculations have been retained for informational purposes.

Where production from two or more pools is commingled before measurement, the initial reserve estimate for each pool is shown, if available, together with the total reserve estimate for the pools. Production is subtracted from the sum of the initial established marketable reserves of the pools to obtain the remaining established marketable reserves. Similarly, because production of associated- and solution-gas reserves for a pool have not been determined separately, the combined net cumulative production is subtracted from the sum of the initial established marketable reserves of associated and solution gas. Therefore, Table 4-5 shows initial reserves by category but includes remaining associated- and solution-gas reserves only on a combined basis.

Gas reserves in communication with crude bitumen have been classified as non-associated reserves in this report.

The amount of marketable gas produced from a pool is determined by adjusting the cumulative raw gas production from the pool for the estimated surface loss. Where gas has been injected for the enhanced recovery of oil, cycling of gas pools, and gas storage, the volumes of injected gas are included in the remaining established reserves of marketable gas (column 6) of the respective pools. The volumes credited to the pools have been adjusted to reflect projected losses in the reservoir and in handling and processing.

The marketed gas production for 1987 was 68.4 billion cubic metres. It is emphasized that because changes, due to errors or to amendments to production reports, have been made to the previously reported cumulative raw gas production for some pools, and because of the adjustments made to the injected gas volumes discussed above, net production volumes for any year should not be calculated from cumulative numbers appearing in this and previous reports. (The actual net production of marketable gas is reported in the Board's publication ERCB ST 88-17, "Alberta Oil and Gas Industry—Annual Statistics" and for 1987 was 70.6 billion cubic metres.)

The principal purchasers of gas from particular fields are shown in column 20. For major purchasers of gas, this information has been updated to year-end 1986 based on the lands under contract data provided to the Board by those purchasers. The remaining portion of this information has not been reviewed recently and the notations should be used with caution.

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[1] The Board maintains a computer file of detailed reserves information for each pool in Alberta containing gas. The non-confidential portion of the file for year-end 1987 is available in the following forms:

(a) Magnetic computer tape of the gas reserve file.

(b) A COM-microfiche publication of gas reserves and reserve factors.

4.10 OTHER MATTERS

A summary of the distribution of established reserves of gas by geological period is shown in Table 4-3.

Pools that are common to more than one designated field and those pools whose production is commingled with such common pools are termed "multi-field pools". The reserve for each designated pool in a multi-field pool is shown under the designated field in Table 4-5. A list of pools contained in each multi-field pool, the individual initial established reserves, and the total initial established reserves for the multi-field pool are shown in Table 4-4.

Reserves in this report have been classified as within or beyond economic reach using a simple partially computerized procedure adopted by the Board in 1979. The Board estimates the reserves classified as beyond economic reach to be 56 billion cubic metres at 31 December 1987.

The map in the back pocket of this report shows the locations of Board-designated fields as at 31 December 1987.

TABLE 4-1 MAJOR GAS RESERVE CHANGES 1987

Pool	1 Initial Established Reserves 1987 ($10^6\ m^3$)	2 Initial Established Reserves Change	3 Main Reasons for Change
Bonnie Glen Glauconitic A	575	− 1 355	Re-evaluation of initial volume in place and recovery factor
Brazeau River Nisku P	3 730	+ 2 430	Re-evaluation of initial volume in place and recovery and surface loss factors
Caroline Beaverhill Lake A	16 000	+16 000	New pool
Ferrybank Glauconitic A	744	− 1 186	Re-evaluation of initial volume in place and recovery and surface loss factors
Gilby Basal Mannville H & L, Jurassic-Rundle and Upper Mannville A	20 200	+ 2 136	Coalesced Jurassic-Rundle C and Jurassic-Rundle pools and re-evaluation of recovery factor
Harmattan East Rundle	28 000	− 2 000	Re-evaluation of surface loss factor
Lambert D-3 A	557	− 1 443	Re-evaluation of initial volume in place
Minehead Cardium C	2 000	+ 1 437	Development
Minnehik-Buck Lake Pekisko A	21 500	+ 1 800	Re-evaluation of initial volume in place and recovery factor
Paddle River Jurassic-Detrital-Rundle	7 900	− 3 100	Re-evaluation of initial volume in place and recovery and surface loss factors
Swan Hills South Beaverhill Lake A & B (Solution)	5 049	− 1 826	Re-evaluation of oil in place and recovery factor
Wimborne D-3 A	7 500	+ 1 000	Development
Windfall D-3 A (Associated & Solution)	7 560	− 4 140	Re-evaluation of initial volume in place and recovery and surface loss factors
Total		+ 9 753	

TABLE 4-2 RESERVES OF POOLS CALCULATED ON AN ENERGY BASIS
As at 31 December 1987

Pool	1 Raw Gas Initial Volume in Place	2 Raw Gas Gross Heating Value	3 Initial Energy in Place	4 Recovery Factor	5 Fuel & Shrinkage (Surface Loss Factor)	6 Initial Marketable Gas Energy	7 Marketable Gas Gross Heating Value	8 Initial Established Reserves of Marketable Gas
	10^6 m^3	MJ/m^3	10^6 MJ	fraction	fraction	10^6 MJ	MJ/m^3	10^6 m^3
Brazeau River Nisku J	707	74.44	52 603	0.75	0.50	19 726	41.01	481
Brazeau River Nisku K	812	72.19	58 643	0.75	0.60	17 593	41.01	429
Brazeau River Nisku M	1 489	76.22	113 463	0.75	0.60	34 039	41.36	823
Brazeau River Nisku P	9 408	61.23	576 062	0.74	0.65	149 200	40.00	3 730
Caroline Beaverhill Lake A	46 592	49.95	2 327 273	0.77	0.62	680 960	42.56	16 000
Carson Creek Beaverhill Lake B	10 941	55.68	609 198	0.90	0.39	334 450	41.65	8 030
Carstairs Elkton A	29 877	40.30	1 204 023	0.94	0.23	871 472	40.16	21 700
Harmattan East Rundle	36 252	50.26	1 822 003	0.85	0.26	1 146 040	40.93	28 000
Harmattan-Elkton Rundle C	31 326	46.96	1 471 056	0.90	0.27	966 484	41.48	23 300
Kakwa A Cardium A	1 120	55.40	62 069	0.85	0.32	35 876	42.71	840
Kaybob Beaverhill Lake C	1 960	63.77	125 020	0.85	0.42	61 635	41.09	1 500
Kaybob South Beaverhill Lake A	104 424	47.90	5 001 905	0.70	0.58	1 470 560	40.40	36 400
Ricinus Cardium B	547	56.87	31 108	0.85	0.48	13 750	40.44	340
Valhalla Halfway B	5 428	53.89	292 537	0.80	0.33	156 800	40.00	3 920
Wembley Halfway B	5 678	53.89	305 970	0.80	0.33	164 000	40.00	4 100
Westerose D-3	3 597	51.55	185 422	0.90	0.25	125 160	41.72	3 000
Westpem Nisku E	1 160	66.05	76 654	0.90	0.54	31 735	44.76	709
Windfall D-3 A	21 288	53.42	1 137 217	0.60	0.53	320 695	42426	7 560

TABLE 4-3 DISTRIBUTION OF ESTABLISHED RESERVES OF GAS BY GEOLOGICAL PERIOD
As at 31 December 1987

Geological Period	1 Raw Gas Initial Volume in Place	2 Marketable Gas Initial Established Reserves	3 Marketable Gas Net Cumulative Production	4 Marketable Gas Remaining Energy Content	5 Raw Gas Initial Volume in Place	6 Marketable Gas Initial Established Reserves	7 Marketable Gas Net Cumulative Production	8 Marketable Gas Remaining Energy Content
	10^6 m^3			TJ	Percentage of total			
Tertiary								
Tertiary	114	67	2	2 365				
Subtotal	114	67	2	2 365				
Upper Cretaceous								
Belly River	77 365	45 252	16 087	1 104 296	1.50	1.48	1.16	1.70
Milk River & Med Hat	418 154	275 420	122 278	5 583 435	8.12	9.05	8.89	8.63
Cardium	244 714	80 542	28 948	2 104 467	4.75	2.64	2.10	3.25
Second White Specks	6 066	4 073	766	122 519	0.11	0.13	0.05	0.18
Other	24 592	16 439	4 120	498 238	0.47	0.54	0.29	0.77
Subtotal	770 891	421 726	172 199	9 412 955	14.98	13.86	12.52	14.55
Lower Cretaceous								
Viking	378 536	270 371	142 648	4 867 301	7.35	8.88	10.37	7.52
Basal Colorado	39 641	31 768	26 295	207 423	0.77	1.04	1.91	0.32
Mannville	1 276 928	850 125	294 272	21 546 018	24.82	27.94	21.40	33.31
Other	40 975	27 797	12 888	584 521	0.79	0.91	0.93	0.90
Subtotal	1 736 080	1 180 061	476 103	27 205 263	33.74	38.79	34.62	42.06
Jurassic								
Jurassic	50 058	31 263	13 145	730 708	0.97	1.02	0.95	1.12
Other	51 854	34 119	7 220	1 072 109	1.00	1.12	0.52	1.65
Subtotal	101 912	65 382	20 365	1 802 817	1.98	2.14	1.48	2.78
Triassic								
Triassic	46 172	29 321	6 074	921 394	0.89	0.96	0.44	1.42
Other	41 665	28 926	2 549	1 048 476	0.80	0.95	0.18	1.62
Subtotal	87 837	58 247	8 623	1 969 870	1.70	1.91	0.62	3.04
Permian								
Belloy	7 760	4 905	1 027	143 855	0.15	0.16	0.07	0.22
Other	572	393	—	15 969	0.01	0.01	—	0.02
Subtotal	8 332	5 298	1 027	159 824	0.16	0.17	0.07	0.24
Mississippian								
Rundle	968 559	587 748	351 581	9 325 653	18.82	19.32	25.57	14.41
Other	67 817	46 865	22 912	936 941	1.31	1.54	1.66	1.44
Subtotal	1 036 376	634 613	374 493	10 262 594	20.14	20.86	27.23	15.86

TABLE 4-3 (continued)

Geological Period	1 Raw Gas Initial Volume in Place	2 Marketable Gas Initial Established Reserves	3 Marketable Gas Net Cumulative Production	4 Marketable Gas Remaining Energy Content	5 Raw Gas Initial Volume in Place	6 Marketable Gas Initial Established Reserves	7 Marketable Gas Net Cumulative Production	8 Marketable Gas Remaining Energy Content
	10^6 m^3			TJ	Percentage of total			
Upper Devonian								
Wabamun	208 018	92 923	51 042	1 576 265	4.04	3.05	3.71	2.43
Nisku	83 991	40 334	13 608	1 066 104	1.63	1.32	0.98	1.64
Leduc	458 880	237 444	159 759	3 032 658	8.91	7.80	11.61	4.68
Beaverhill Lake	385 940	162 247	57 374	4 157 231	7.50	5.33	4.17	6.42
Other	78 493	39 826	29 705	386 011	1.52	1.30	2.16	0.59
Subtotal	1 215 322	572 774	311 488	10 218 269	23.62	18.83	22.65	15.80
Middle Devonian								
Sulphur Point	12 148	8 097	707	285 765	0.23	0.26	0.05	0.44
Muskeg	3 369	1 808	269	61 757	0.06	0.05	0.01	0.09
Keg River	45 220	22 110	5 287	694 593	0.87	0.72	0.38	1.07
Other	22 734	8 835	4 403	163 491	0.44	0.29	0.32	0.25
Subtotal	83 471	40 850	10 666	1 205 606	1.62	1.34	0.77	1.86
Beyond economic reach	94 896	56 343	—	2 185 833	1.84	1.85	—	3.37
Confidential[a]	9 469	6 297	—	246 648	0.18	0.20	—	0.38
Small gas pool reduction	– 22 157	– 14 956	—	– 579 102	—	—	—	—
Total	5 122 543	3 026 702	1 374 966	64 092 942	100.00[b]	100.00[b]	100.00[b]	100.00[b]
	(181 818)[c]	(107 429)[c]		(60 774)[d]				

[a] Some "confidential" reserves included in "beyond economic reach" category.

[b] Discrepancies are due to rounding.

[c] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[d] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot gas.

TABLE 4-4 RESERVES OF MULTI-FIELD POOLS
As at 31 December 1987

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Edmonton Pool No. 1	
Bashaw Edmonton D	26
Nevis Edmonton D	342
Total	368
Belly River Pool No. 1	
Bashaw Belly River C	932
Bashaw Belly River L	16
Nevis Belly River C	919
Total	1 867
Belly River Pool No. 2	
Bruce Belly River J	330
Holmberg Belly River J	83
Total	413
Milk River Pool No. 1	
Alderson Milk River A	13 400
Atlee-Buffalo Milk River A	5 500
Bantry Milk River A	5 980
Bindloss Milk River A	1 010
Bow Island Milk River A	67
Brooks Milk River A	295
Cassils Milk River A	1 650
Cessford Milk River A	2 780
Connorsville Milk River A	676
Countess Milk River A	5 890
Hussar Belly River C	30
Hussar Milk River A	128
Jenner Milk River A	3 510
Johnson Milk River A	356
Kitsim Milk River A	125
Leckie Milk River A	365
Matziwin Milk River A	1 880
Medicine Hat Milk River A	30 600
Newell Milk River A	957
Princess Milk River A	7 770
Suffield Milk River A	20 700
Verger Milk River A	5 230
Wintering Hills Milk River A	1 290
Total	110 189
Medicine Hat Pool No. 1	
Alderson Medicine Hat A	2 800
Atlee-Buffalo Medicine Hat A	2 470
Bantry Medicine Hat A	3 410
Bassano Medicine Hat A	418
Berry Medicine Hat A	53
Bindloss Medicine Hat A	372
Brooks Medicine Hat A	44
Cassils Medicine Hat A	840
Cessford Medicine Hat A	7 250
Connorsville Medicine Hat A	1 920
Countess Medicine Hat A	7 600
Estuary Medicine Hat A	136
Eyremore Medicine Hat A	118
Gleichen Medicine Hat A	484
Hussar Medicine Hat A	2 950
Jenner Medicine Hat A	1 300
Johnson Medicine Hat A	12
Kitsim Medicine Hat A	270
Lathom Medicine Hat A	245
Leckie Medicine Hat A	137
Matziwin Medicine Hat A	1 430
Medicine Hat Medicine Hat A	50 000
Newell Medicine Hat A	71
Princess Medicine Hat A	4 350
Seiu Lake Medicine Hat A	581
Suffield Medicine Hat A	11 200
Verger Medicine Hat A	6 000
Wayne-Rosedale Medicine Hat A	1 130
Wintering Hills Medicine Hat A	3 980
Total	111 571
Medicine Hat Pool No. 3	
Alderson Medicine Hat C	670
Atlee-Buffalo Medicine Hat C	11
Bantry Medicine Hat C	915
Bow Island Medicine Hat C	12
Brooks Medicine Hat C	26
Cassils Medicine Hat C	100
Cessford Medicine Hat C	204
Countess Medicine Hat C	94
Eyremore Medicine Hat C	29
Jenner Medicine Hat C	36

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Matziwin Medicine Hat C	33
Medicine Hat Medicine Hat C	2 600
Medicine Hat Second White Specks J[a]	314
Medicine Hat Second White Specks M[b]	9
Medicine Hat Lower Colorado Sand A[a]	250
Newell Medicine Hat C	44
Princess Medicine Hat C	357
Suffield Medicine Hat C	844
Verger Medicine Hat C	84
Total	6 632
Medicine Hat Pool No. 4	
Alderson Medicine Hat D	190
Atlee-Buffalo Medicine Hat D	22
Bantry Medicine Hat D	82
Bindloss Medicine Hat D	3
Bow Island Medicine Hat D	2
Brooks Medicine Hat D	4
Cassils Medicine Hat D	14
Cessford Medicine Hat D	525
Countess Medicine Hat D	46
Jenner Medicine Hat D	70
Matziwin Medicine Hat D	101
Medicine Hat Medicine Hat D	2 390
Newell Medicine Hat D	18
Princess Medicine Hat D	253
Suffield Medicine Hat D	1 000
Verger Medicine Hat D	225
Total	4 945
Second White Specks Pool No. 1	
Alderson Second White Specks A	12 500
Atlee-Buffalo Second White Specks A	47
Bantry Second White Specks A	1 780
Bow Island Second White Specks A	830
Bow Island Second White Specks C[c]	6
Cessford Second White Specks A	410
Countess Second White Specks A	536
Jenner Second White Specks A	1 130
Johnson Second White Specks A	98
Matziwin Second White Specks A	60
Medicine Hat Second White Specks A	5 200
Princess Second White Specks A	5 530
Suffield Second White Specks A	11 300
Verger Second White Specks A	2 020
Total	41 447
Bow Island Pool No. 1	
Medicine Hat Bow Island C	332
Suffield Bow Island C	311
Total	643
Viking Pool No. 1	
Fairydell-Bon Accord Upper Viking A	1 000
Fairydell-Bon Accord Middle Viking A	2 800
Fairydell-Bon Accord Middle Viking B	511
Peavey Upper Viking A	12
Redwater Upper Viking A	1 940
Redwater Middle Viking A	595
Redwater Lower Viking A	297
Westlock Middle Viking B	264
Total	7 419
Viking Pool No. 2	
Beaverhill Lake Upper Viking A & B, Middle Viking A and Lower Viking A	4 800
Bellshill Lake Upper Viking A	137
Birch Upper and Middle Viking A	47
Bruce Upper Viking A & F and Middle Viking A & B	3 700
Dinant Upper Viking A	69
Fort Saskatchewan Upper and Middle Viking A	7 500
Holmberg Upper Viking A	87
Killam Upper and Middle Viking A	1 400
Killam North Upper and Middle Viking A, Basal Mannville C & U and Nisku A	1 135
Mannville Upper and Middle Viking A	213

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Sedgewick Upper Viking A	178
Viking-Kinsella Upper and Middle Viking A and Upper Mannville YY	29 000
Total	48 266
Viking Pool No. 3	
Carbon Viking D	1 400
Ghost Pine Viking D	208
Total	1 608
Viking Pool No. 4	
Fenn-Big Valley Viking B	590
Fenn West Viking B	249
Lousana Viking B	12
Total	851
Viking Pool No. 5	
Hudson Viking A	687
Sedalia Viking A	241
Sedalia Viking F	3
Sedalia Upper Mannville D	43
Sedalia Lower Mannville B	91
Total	1 065
Viking Pool No. 6	
Ashmont Viking A	728
Bellis Viking A	34
Cache Viking A	1 790
Canard Viking A	305
Clay Viking A	865
Corrin Viking A	928
Craigend Viking A	4 500
Duvernay Viking A	1 240
Duvernay Viking M	40
Hairy Hill Viking A	626
Owlseye Viking A	121
Plain Viking A	39
St. Paul Viking A	373
Stry Viking A	367
Sugden Viking A	4 160
Therien Viking A	268
Ukalta Viking A	262
Whitford Viking A	988
Willingdon Viking A	323
Willingdon Viking B	6
Total	17 961
Viking Pool No. 7	
Inland Upper Viking C & E and Middle Viking F, G & I	268
Royal Upper Viking C and Lower Viking A	43
Total	311
Viking Pool No. 10	
Goodridge Viking F	114
Jarvie Viking F	94
Westlock Viking F	251
Total	459
Viking Pool No. 11	
Jarvie Viking G	65
Westlock Viking G	112
Total	177
Viking Pool No. 12	
Atlee-Buffalo Viking A	17
Suffield Viking A	32
Total	49
St. Edouard Pool No. 3	
Ukalta St. Edouard B	60
Whitford St. Edouard B	34
Total	94
Glauconitic Pool No. 3	
Bonnie Glen Glauconitic A	575
Ferrybank Glauconitic A	744
Total	1 319
Glauconitic Pool No. 4	
Cessford Glauconitic T	248
Cessford Mannville HH	774
Wayne-Rosedale Glauconitic T	1 540
Total	2 562

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Glauconitic Pool No. 5	
Bigoray Glauconitic I	923
Pembina Glauconitic I	2 550
Pembina Lobstick Glauconitic D	121
Pembina Ostracod C	133
Total	3 727
Bluesky Pool No. 1	
Boyer Bluesky A & Gething A	11 251
Haro Bluesky A	4 965
Rainbow Bluesky A	4 594
Rainbow South Bluesky A	137
Sousa Bluesky A	928
Steen Bluesky A	376
Virgo Bluesky A	320
Total	22 571
Gething Pool No. 1	
Fox Creek Gething D	118
Fox Creek Gething H	4 270
Kaybob South Gething H	1 330
Total	5 718
Ellerslie Pool No. 1	
Connorsville Glauconitic A	232
Connorsville Glauconitic B	22
Connorsville Glauconitic C	168
Connorsville Glauconitic E	185
Connorsville Ellerslie A	2 610
Wintering Hills Ellerslie A	1 490
Total	4 707
Cadomin Pool No. 1	
Elmworth Cadomin A	4 730
Sinclair Cadomin A	2 750
Wapiti Cadomin A	6 000
Total	13 480
Halfway Pool No. 1	
Valhalla Halfway B	3 920
Wembley Halfway B	5 984
Total	9 904
Debolt Pool No. 1	
Cranberry Debolt A	1 720
Hotchkiss Debolt A	2 870
Total	4 590
Banff Pool No. 1	
Haro Banff E	254
Rainbow Banff E	15
Rainbow South Banff E	102
Total	371

[a] Also commingled with the Medicine Hat Medicine Hat D Pool.

[b] Also commingled with the Medicine Hat Medicine Hat D and Medicine Hat Second White Speck A pools.

[c] Also commingled with the Bow Island Medicine Hat A, C and D pools.

ERCB

Reserves of Gas and Basic Data

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE (10^6m^3)	2 POOL RECOVERY (frac)	3 SURFACE LOSS (frac)	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES (10^6m^3)	5 NET CUMULATIVE PRODUCTION (10^6m^3)	6 REMAINING ESTABLISHED RESERVES (10^6m^3)	7 GROSS HEAT VALUE (MJ/m^3)	8 REMAINING ENERGY CONTENT (TJ)	9 AREA (ha)
ABEE 062-22W4									
TOTAL-ABEE	2 579			1 609	562	1 047		39 572	
ACADIA 026-04W4									
TOTAL-ACADIA	195			136	3	133		4 952	
ACHESON 052-26W4									
D-3 A SOLN	2 669	0.68	0.30	1 271	1 022	249	43	10 802	
OTHER	1 944			1 170	439	731		28 941	
TOTAL-ACHESON	4 613			2 441	1 461	980		39 743	
ACHESON EAST 052-25W4									
TOTAL-ACHESON EAST	668			298	83	215		8 402	
ACME 026-26W4									
TOTAL-ACME	317			208		208		8 206	
ADEN 001-09W4									
RUNDLE A	958	0.85	0.15	692	345	347	38	13 051	711
OTHER	562			375	221	154		5 881	
TOTAL-ADEN	1 520			1 067	566	501		18 932	
AERIAL 029-18W4									
TOTAL-AERIAL	674			391	81	310		12 436	
AETNA (SA) 002-25W4									
TOTAL-AETNA	136			98		98		3 925	
AKUINU 066-03W5									
TOTAL-AKUINU	618			423	103	320		12 096	
ALBERS 042-07W4									
TOTAL-ALBERS	141			96		96		3 508	
ALBRIGHT 072-09W6									
TOTAL-ALBRIGHT	516			355		355		14 996	
ALCOMDALE 057-26W4									
TOTAL-ALCOMDALE	234			147	5	142		5 573	
ALDER 045-07W5									
TOTAL-ALDER	139			94		94		4 171	
ALDERSON 015-11W4									
MILK RIVER A	20 150	0.70	0.05	13 400			36		157 212
MEDICINE HAT A	4 124	0.70	0.03	2 800			36		67 799
MEDICINE HAT C	1 382	0.50	0.03	670			36		57 415
MEDICINE HAT D	392	0.50	0.03	190			36		16 285
SECOND WHITE SPECKS A	17 544	0.75	0.05	12 500			36		144 504
SE ALTA GAS SYS(MU) TOTAL	43 592	0.70	0.05	29 560	14 367	15 193	36	553 937	
UPPER MANNVILLE M	442	0.85	0.10	338	19	319	37	11 851	440
GLAUCONITIC 014-14	441	0.85	0.10	338		338	38	12 760	310
OTHER	7 572			5 116	917	4 199		157 998	
TOTAL-ALDERSON	52 047			35 352	15 303	20 049		736 546	
ALEXANDER 056-27W4									
BASAL QUARTZ A	4 299	0.94	0.03	3 920	3 884	36	39	1 388	4 698
OTHER	299			186	75	111		4 275	
TOTAL-ALEXANDER	4 598			4 106	3 959	147		5 663	
ALEXIS 055-05W5									
BANFF A SOLN	387	0.65	0.40	151[b]			39		
BANFF A ASSOC	306	0.85	0.10	234[b]	116[b]	269	39	10 558	320
OTHER	341			227	2	225		8 896	
TOTAL-ALEXIS	1 034			612	118	494		19 454	
ALIX 040-23W4									
TOTAL-ALIX	762			387	104	283		10 693	
ALKALI 024-05W4									
TOTAL-ALKALI	96			68		68		2 489	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.88		1950	1986	NUL NORCEN
10.10	0.103	0.80	6 850	24	0.877	0.58	868.6	1960	1987	CMG MATERIAL BALANCE
5.05	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.41	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.61	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.61	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.57	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL KANNGAZ TCPL CTYMEDH
6.00	0.200	0.65	11 270	33	0.814	0.66	1 003.3	1971	1983	TCPL
6.64	0.230	0.90	9 200	31	0.832	0.66	990.3	1969	1987	
3.11	0.220	0.80	9 210	45	0.850	0.63	1 168.1	1954	1986	NORCEN MATERIAL BALANCE
						0.65		1968	1987	PANALTA CONCURRENT PRODUCTION
9.34	0.131	0.65	11 410	52	0.831	0.65	1 351.5	1968	1987	PANALTA CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
ALLIANCE 040-13W4									
TOTAL-ALLIANCE	119			74		74		2 993	
ALSASK 027-01W4									
TOTAL-ALSASK	471			327	100	227		8 500	
ALSIKE 049-02W5									
TOTAL-ALSIKE	18			13		13		482	
ALTARIO 035-01W4									
TOTAL-ALTARIO	595			409		409		15 208	
AMADOU 073-20W4									
TOTAL-AMADOU	107			61		61		2 225	
AMBER 115-07W6									
TOTAL-AMBER	1 912			1 138	176	962		38 749	
AMELIA (SA) 010-27W4									
TOTAL-AMELIA	34			22		22		904	
AMIGO 119-07W6									
TOTAL-AMIGO	1 678			1 030		1 030		42 083	
ANATOLE 031-03W4									
TOTAL-ANATOLE	198			127	2	125		4 952	
ANGLING 060-02W4									
GRAND RAPIDS B	508	0.65	0.05	314			36		3 305
GRAND RAPIDS C	10	0.65	0.05	7			37		200
GRAND RAPIDS E	8	0.55	0.05	4			37		128
SPARKY A	8	0.65	0.05	5			37		200
GRD RAP BCE & SPKY A TOTAL	534	0.65	0.05	330	323	7	35	248	
OTHER	274			158	100	58		2 122	
TOTAL-ANGLING	808			488	423	65		2 370	
ANGLO 019-18W4									
TOTAL-ANGLO	301			214	36	178		6 384	
ANKERTON 044-15W4									
TOTAL-ANKERTON	631			403		403		15 026	
ANNA (SA) 120-10W6									
TOTAL-ANNA	18			11		11		417	
ANNE (SA) 003-21W4									
TOTAL-ANNE	81			58		58		1 912	
ANSELL 052-20W5									
CARDIUM A	259	0.20	0.10	47			41		300
CARDIUM B	94	0.60	0.15	48			41		150
CARDIUM C	55	0.60	0.10	30			40		150
CARDIUM FF	8 555	0.20	0.10	1 540			41		10 595
CARDIUM A,B,C & FF TOTAL	8 963	0.20	0.10	1 665	169	1 496	41	61 022	
VIKING A	389	0.65	0.10	228			39		714
CADOMIN B	701	0.65	0.10	410			38		1 019
VIKING A & CADOMIN B TOTAL	1 090	0.65	0.10	638	4	634	38	24 403	
BLUESKY A	917	0.75	0.05	654	2	652	38	24 959	1 502
CADOMIN A	511	0.85	0.10	391	3	388	40	15 423	646
CADOMIN C	532	0.85	0.05	429	4	425	39	16 745	673
ELKTON 33-051-19	623	0.85	0.15	451		451	37	16 624	440
OTHER	2 347			1 636	63	1 573		62 426	
TOTAL-ANSELL	14 983			5 864	245	5 619		221 602	
ANTE CREEK 065-24W5									
PEACE RIVER A	604	0.80	0.05	459	125	334	40	13 514	1 632
BEAVERHILL LAKE SOLN	2 028	0.60	0.20	974	828	146	44	6 482	
OTHER	754			447	-237	684		28 911	
TOTAL-ANTE CREEK	3 386			1 880	716	1 164		48 907	
ANTE CREEK NORTH 067-23W5									
TOTAL-ANTE CREEK NORTH	1 363			965	3	962		38 395	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.98	0.285	0.70	2 460	12	0.949	0.58	323.4	1981	1987	
1.00	0.320	0.60	2 500	13	0.947	0.56	326.5	1982	1982	
1.60	0.280	0.60	2 290	14	0.952	0.56	309.6	1982	1987	
1.00	0.310	0.50	2 600	13	0.945	0.56	340.7	1982	1982	
								1981	1987	
5.90	0.100	0.70	19 990	61	0.813	0.67	2 216.6	1981	1985	
4.70	0.090	0.75	19 770	77	0.812	0.74	2 147.8	1980	1987	
2.20	0.115	0.75	19 840	76	0.840	0.70	2 147.5	1986	1987	
4.84	0.113	0.75	19 840	74	0.826	0.71	2 160.1	1976	1987	
								1976	1987	
2.00	0.139	0.80	29 270	87	0.945	0.65	2 712.1	1976	1987	
5.27	0.085	0.75	25 370	104	0.934	0.69	3 045.1	1976	1987	
								1976	1987	
3.51	0.114	0.75	22 390	78	0.892	0.63	2 982.1	1974	1985	CWNGNUL
4.73	0.091	0.75	28 560	83	0.932	0.65	3 112.8	1974	1987	
4.80	0.099	0.75	28 780	107	0.971	0.62	2 981.1	1980	1987	
7.35	0.104	0.89	26 750	106	0.964	0.66	3 140.7	1953	1981	
2.24	0.188	0.70	12 130	54	0.840	0.62	1 673.0	1962	1985	TCPL
						0.86		1962	1983	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
ANTELOPE 030-01W4									
COLONY A	540	0.85	0.05	436	128	308	37	11 538	3 179
OTHER	1 067			682	283	399		15 067	
TOTAL-ANTELOPE	1 607			1 118	411	707		26 605	
ANTHONY (SA) 083-24W5									
TOTAL-ANTHONY	25			12		12		476	
ANTLER (SA) 048-24W5									
BLAIRMORE 31-048-23	1 118	0.90	0.10	905		905	40	36 119	200
PEKISKO 33-048-24	702	0.80	0.10	506		506	41	20 559	128
TOTAL-ANTLER	1 820			1 411		1 411		56 678	
APETOWUN (SA) 052-22W5									
NISKU 22-052-22	873	0.75	0.45	360		360	36	13 118	200
OTHER	138			94		94		3 539	
TOTAL-APETOWUN	1 011			454		454		16 657	
APHRODITES (SA) 014-01W5									
TOTAL-APHRODITES	317			242		242		10 496	
ARDENODE 026-25W4									
TOTAL-ARDENODE	58			38		38		1 398	
ARGUS (SA) 103-08W6									
TOTAL-ARGUS	53			32		32		1 173	
ARMADA 016-19W4									
TOTAL-ARMADA	971			654	190	464		17 795	
ARMISIE 052-25W4									
TOTAL-ARMISIE	231			97	22	75		3 047	
ARMITAGE 074-13W4									
TOTAL-ARMITAGE	366			204		204		7 476	
ARNESON 025-02W4									
TOTAL-ARNESON	415			290	55	235		8 677	
ARTLAND 044-02W4									
TOTAL-ARTLAND	273			183		183		6 822	
ARVILLA 058-27W4									
TOTAL-ARVILLA	394			256	12	244		9 356	
ASHMONT 060-11W4									
VIKING A	1 179	0.65	0.05	728		728	38	27 322	21 610
OTHER	1 020			649	196	453		17 028	
TOTAL-ASHMONT	2 199			1 377	196	1 181		44 350	
ASTOTIN 054-19W4									
TOTAL-ASTOTIN	500			309	112	197		7 335	
ATHABASCA 066-23W4									
GRAND RAPIDS B	663	0.80	0.05	504	238	266	40	10 550	2 155
OTHER	1 271			842	256	586		22 169	
TOTAL-ATHABASCA	1 934			1 346	494	852		32 719	
ATHABASCA EAST 066-22W4									
TOTAL-ATHABASCA EAST	1 915			1 240	614	626		23 619	
ATIM 054-26W4									
TOTAL-ATIM	52			42	42				
ATLEE-BUFFALO 021-06W4									
MILK RIVER A	8 270	0.70	0.05	5 500			36		70 290
MEDICINE HAT A	3 637	0.70	0.03	2 470			36		63 389
MEDICINE HAT C	22	0.50	0.03	11			36		1 053
MEDICINE HAT D	45	0.50	0.03	22			36		2 656
SECOND WHITE SPECKS A	65	0.75	0.05	47			36		1 073
SE ALTA GAS SYS (MU) TOTAL	12 039	0.70	0.05	8 050	3 348	4 702	36	171 435	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.45	0.310	0.45	7 650	26	0.867	0.58	768.4	1957	1985	MIP
22.82	0.200	0.65	20 820	84	0.880	0.71	2 088.3	1977	1978	BER
30.84	0.090	0.80	33 270	108	1.006	0.64	4 015.2	1977	1982	BER TOP/BASE TVD
57.69	0.040	0.65	35 300	109	0.903	0.80	4 121.7	1981	1982	
1.03	0.253	0.50	3 890	15	0.917	0.58	420.1	1949	1982	MIP PANALTA PWGE TCPL PART OF VIK POOL NO.6
3.41	0.356	0.65	3 640	17	0.916	0.60	491.6	1952	1981	TCPL
4.65	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.33	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.53	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.43	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.78	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL MIP PANALTA PROGAS TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE (10^6m^3)	2 RAW GAS: POOL RECOVERY (frac)	3 RAW GAS: SURFACE LOSS (frac)	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES (10^6m^3)	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION (10^6m^3)	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES (10^6m^3)	7 MARKETABLE GAS: GROSS HEAT VALUE (MJ/m^3)	8 MARKETABLE GAS: REMAINING ENERGY CONTENT (TJ)	9 AREA (ha)
ATLEE-BUFFALO 021-06W4 (CONTINUED)									
VIKING H	811	0.85	0.05	655	549	106	36	3 832	11 372
OTHER	3 995			2 564	445	2 119		77 743	
TOTAL-ATLEE-BUFFALO	16 845			11 269	4 342	6 927		253 010	
ATMORE 067-17W4									
MCMURRAY A	700	0.80	0.05	532	147	385	37	14 287	10 229
MCMURRAY B		0.70	0.05				37		3 734
NISKU A		0.70	0.05				37		1 883
NISKU A & MCMURRAY B TOTAL	1 774	0.70	0.05	1 180	826	354	37	13 091	
OTHER	2 287			1 386	502	884		32 794	
TOTAL-ATMORE	4 761			3 098	1 475	1 623		60 172	
AUBURNDALE 047-06W4									
TOTAL-AUBURNDALE	1 200			770	280	490		17 888	
BADGER 016-18W4									
UPPER MANNVILLE E	732	0.95	0.10	626	28	598	40	23 938	150
OTHER	959			708	12	696		26 821	
TOTAL-BADGER	1 691			1 334	40	1 294		50 759	
BALSAM 082-10W6									
KISKATINAW A	952	0.85	0.05	769	263	506	38	19 258	1 086
OTHER	486			354	43	311		11 869	
TOTAL-BALSAM	1 438			1 123	306	817		31 127	
BANSHEE 050-22W5									
LEDUC 14-050-22	957	0.85	0.45	447		447	37	16 593	200
TOTAL-BANSHEE	957			447		447		16 593	
BANTRY 018-13W4									
MILK RIVER A	8 993	0.70	0.05	5 980			36		78 738
MEDICINE HAT A	5 021	0.70	0.03	3 410			36		71 404
MEDICINE HAT C	1 886	0.50	0.03	915			36		43 059
MEDICINE HAT D	170	0.50	0.03	82			36		6 948
SECOND WHITE SPECKS A	2 499	0.75	0.05	1 780			36		34 379
SE ALTA GAS SYS(MU) TOTAL	18 569	0.70	0.05	12 167	6 817	5 350	36	195 061	
VIKING U	491	0.75	0.05	350			39		4 074
VIKING V	29	0.75	0.05	21			39		150
VIKING W	17	0.75	0.05	12			39		150
BASAL COLORADO C	182	0.75	0.05	130			37		1 328
VIKING T	5	0.75	0.05	4			40		150
VIK TUVW & BSL COLO C TOTAL	724	0.75	0.05	517	278	239	38[a]	9 115	
MANNVILLE A ASSOC	277	0.90	0.10	224[b]			37		488
MANNVILLE A SOLN	2 960	0.25	0.50	370[b]			37		
MANNVILLE A ASSOC	312	0.90	0.10	253[b]			37		686
MANNVILLE A ASSOC	16	0.90	0.10	13[b]			37		48
MANNVILLE A ASSOC	267	0.90	0.10	216[b]			37		530
MANNVILLE A ASSOC	10	0.90	0.10	8[b]			37		32
MANNVILLE A ASSOC	28	0.90	0.10	23[b]			37		128
MANNVILLE A ASSOC	29	0.90	0.10	23[b]			37		64
MANNVILLE A ASSOC	2	0.90	0.10	2[b]			37		32
MANNVILLE A ASSOC	7	0.90	0.10	5[b]			37		32
MANNVILLE A ASSOC	35	0.90	0.10	29[b]			37		68
MANNVILLE A TOTAL	3 943	0.40	0.30	1 166[b]	373[b]	793	37	29 508	
OTHER	5 245			3 476	1 383	2 093		80 340	
TOTAL-BANTRY	28 481			17 326	8 851	8 475		314 024	
BAPTISTE 067-22W4									
MANNVILLE C	51	0.70	0.05	34			38		200
MANNVILLE G	672	0.80	0.05	511			39		3 477
MANNVILLE N	22	0.70	0.05	14			38		200
MANNVILLE O	30	0.70	0.05	20			38		200
MANNVILLE P	51	0.70	0.05	34			38		200
MANNVILLE C,G,N,O&P TOTAL	826	0.80	0.05	613	211	402	39	15 517	
WABAMUN C	932	0.75	0.05	664	143	521	39	20 184	2 002
WABAMUN E	1 243	0.70	0.05	827	641	186	37	6 968	1 549
OTHER	1 119			736	222	514		19 304	
TOTAL-BAPTISTE	4 120			2 840	1 217	1 623		61 973	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.39	0.250	0.50	6 830	27	0.885	0.59	782.0	1955	1982	TCPL MATERIAL BALANCE
1.84	0.235	0.60	2 630	25	0.951	0.57	510.7	1968	1987	PANALTA PROGAS TCPL
1.66	0.273	0.55	2 840	20	0.945	0.56	520.7	1960	1987	MATERIAL BALANCE
6.57	0.158	0.65	2 860	25	0.948	0.56	507.9	1967	1987	MATERIAL BALANCE
								1960	1985	
12.80	0.310	0.90	11 920	35	0.805	0.63	1 098.6	1980	1985	PROGAS
5.41	0.129	0.80	17 200	77	0.890	0.60	1 866.7	1974	1986	DOMEDOW TCPL
47.54	0.044	0.85	42 040	166	1.012	0.84	4 580.6	1977	1981	PANALTA
4.51	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.63	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
1.11	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.62	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.94	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL PANALTA TCPL
1.95	0.161	0.50	7 100	29	0.871	0.59	793.4	1973	1986	
2.47	0.140	0.70	7 380	27	0.863	0.59	814.4	1973	1986	
1.85	0.170	0.45	7 450	27	0.862	0.59	830.0	1973	1986	
1.13	0.200	0.65	8 550	30	0.859	0.61	881.5	1946	1986	
0.61	0.170	0.40	7 140	27	0.858	0.61	807.6	1973	1986	
								1946	1986	CWNGNUL TCPL
2.32	0.265	0.70	10 780	30	0.768	0.71	976.8	1948	1985	GPP
						0.71		1948	1985	GPP
1.86	0.265	0.70	10 780	30	0.768	0.71	980.9	1948	1985	
1.37	0.265	0.70	10 780	30	0.768	0.71	989.2	1948	1985	
2.03	0.265	0.70	10 910	30	0.765	0.72	992.7	1948	1985	
1.22	0.265	0.70	10 780	30	0.768	0.71	997.3	1948	1985	ASSIGNED WELL 16-15-018-13 W4M
0.91	0.265	0.70	10 780	30	0.768	0.71	993.1	1948	1985	ASSIGNED WELL 10-26-017-13 W4M
1.83	0.265	0.70	10 780	30	0.768	0.71	990.6	1948	1985	ASSIGNED WELL 12-34-017-12 W4M
0.30	0.260	0.70	10 780	30	0.768	0.71	989.2	1948	1985	ASSIGNED WELL 12-01-018-13 W4M
0.92	0.260	0.70	10 780	30	0.768	0.71	989.3	1948	1985	ASSIGNED WELL 01-02-018-13 W4M
2.06	0.269	0.70	10 960	30	0.766	0.71	997.3	1948	1985	
								1948	1985	TCPL GPP
3.05	0.350	0.65	3 610	24	0.932	0.55	528.9	1966	1976	
3.23	0.280	0.60	3 450	23	0.931	0.57	424.3	1966	1982	
1.67	0.270	0.65	3 560	17	0.927	0.55	453.0	1966	1979	
1.83	0.330	0.65	3 570	17	0.927	0.55	456.8	1966	1979	
2.75	0.330	0.75	3 570	17	0.927	0.55	464.1	1966	1979	
								1966	1982	TCPL
9.31	0.190	0.75	3 480	29	0.934	0.59	601.1	1976	1982	TCPL
5.02	0.150	0.70	3 520	29	0.936	0.57	584.9	1959	1987	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
BARE (SA) 003-03W4									
TOTAL-BARE	55			42		42		1 605	
BARK (SA) 121-07W6									
TOTAL-BARK	265			180		180		6 565	
BARRHEAD 058-05W5									
TOTAL-BARRHEAD	954			650		650		26 151	
BARTMAN 025-09W4									
TOTAL-BARTMAN	217			155	13	142		5 370	
BASELINE 061-14W5									
TOTAL-BASELINE	15			10		10		336	
BASHAW 042-22W4									
BELLY RIVER C	1 509	0.65	0.05	932			37		17 400
BELLY RIVER L	26	0.65	0.05	16			38		200
BELLY RIVER C & L TOTAL	1 535	0.65	0.05	948	175	773	37	28 485	
D-3 A SOLN	261	0.65	0.15	145[b]			36		
D-3 A ASSOC	460	0.85	0.20	313[b]	253[b]	205	36	7 398	1 125
OTHER	4 862			3 050	1 060	1 990		76 508	
TOTAL-BASHAW	7 118			4 456	1 488	2 968		112 391	
BASING 048-20W5									
TURNER VALLEY 048-20	3 140	0.40	0.10	1 130		1 130	39	43 708	2 477
TURNER VALLEY 048-21	1 407	0.40	0.10	507		507	38	19 200	1 710
OTHER	393			249	65	184		7 364	
TOTAL-BASING	4 940			1 886	65	1 821		70 272	
BASSANO 021-18W4									
MEDICINE HAT A	616	0.70	0.03	418			36		501
SE ALTA GAS SYS (MU) TOTAL	616	0.70	0.05	418	1	417	36	15 204	
OTHER	1 802			1 227	463	764		29 179	
TOTAL-BASSANO	2 418			1 645	464	1 181		44 383	
BATTLE 046-20W4									
TOTAL-BATTLE	97			57		57		2 107	
BATTLE SOUTH 045-20W4									
TOTAL-BATTLE SOUTH	194			123	2	121		4 690	
BAXTER LAKE 047-05W4									
MANNVILLE B	488	0.68	0.05	315	310	5	34	168	917
OTHER	620			384	173	211		7 433	
TOTAL-BAXTER LAKE	1 108			699	483	216		7 601	
BEAR CANYON 082-12W6									
TOTAL-BEAR CANYON	342			247		247		9 798	
BEARHILL LAKE (SA) 045-26W4									
TOTAL-BEARHILL LAKE	72			48		48		1 784	
BEATON 088-02W6									
TOTAL-BEATON	1 227			813	465	348		12 905	
BEATTY LAKE (SA) 123-02W6									
TOTAL-BEATTY LAKE	171			111		111		4 255	
BEAUVALLON 053-10W4									
COLONY K	1 783	0.75	0.05	1 270	1 177	93	37	3 482	3 278
COLONY L	1 038	0.65	0.05	641	556	85	38	3 200	3 072
COLONY P	588	0.75	0.05	419	91	328	37	12 267	5 110
OTHER	2 778			1 796	589	1 207		44 482	
TOTAL-BEAUVALLON	6 187			4 126	2 413	1 713		63 431	
BEAVER CROSSING 062-01W4									
TOTAL-BEAVER CROSSING	121			67	32	35		1 273	
BEAVERHILL LAKE 052-19W4									
U,M &L VIKING A		0.80	0.03				38		
UPPER VIKING B		0.80	0.03				38		5 238
UVIK AB,MVIK A&LVIK A TOTAL	6 186	0.80	0.05	4 800	3 974	826	38	31 124	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.94	0.250	0.40	2 020	22	0.961	0.57	491.1	1977	1986	PART OF BR POOL NO.1
3.00	0.250	0.40	4 300	27	0.924	0.55	645.3	1981	1982	PART OF BR POOL NO.1
								1977	1986	PANALTA PROGAS TCPL PART OF BR POOL NO.1
						0.77		1951	1987	TCPL CONCURRENT PRODUCTION
5.22	0.054	0.85	16 060	60	0.804	0.77	1 754.7	1951	1987	TCPL CONCURRENT PRODUCTION
9.92	0.064	0.85	33 630	123	1.028	0.63	3 919.2	1975	1986	PANALTA TOP/BASE TVD
9.51	0.045	0.80	32 000	119	1.019	0.60	3 802.4	1978	1986	PANALTA TCPL TOP/BASE TVD
1.66	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	PANALTA TCPL
2.60	0.262	0.65	4 560	24	0.922	0.61	702.5	1975	1986	PANALTA TCPL PRODUCTION DECLINE
4.56	0.280	0.75	4 260	21	0.917	0.57	564.4	1973	1985	CWNGNUL PANALTA TCPL MATERIAL BALANCE
3.98	0.284	0.75	3 780	19	0.924	0.57	533.1	1976	1986	PANALTA TCPL CWNGNUL
1.82	0.280	0.60	3 560	17	0.927	0.57	482.9	1972	1985	PANALTA PROGAS TCPL
	0.210	0.60	5 550	33	0.904	0.60	776.7	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.94	0.200	0.65	4 800	26	0.909	0.60	765.3	1952	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL TCPL PART OF VIK POOL NO.2

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
BEAVERHILL LAKE 052-19W4 (CONTINUED)									
OTHER	2 383			1 542	370	1 172		43 987	
TOTAL-BEAVERHILL LAKE	8 569			6 342	4 344	1 998		75 111	
BEAVERLODGE 072-10W6									
TOTAL-BEAVERLODGE	362			251		251		9 895	
BELLIS 059-15W4									
UPPER MANNVILLE B	942	0.80	0.05	716	562	154	38	5 857	4 387
UPPER MANNVILLE E		0.75	0.05				37		2 338
UPPER MANNVILLE F		0.75	0.05				38		1 531
UPPER MANNVILLE G		0.75	0.05				38		1 177
UPPER MANNVILLE H		0.75	0.05				38		200
U MANN E,F,G & H TOTAL	1 200	0.75	0.05	855	716	139	38	5 247	
OTHER	5 369			3 390	1 359	2 031		75 933	
TOTAL-BELLIS	7 511			4 961	2 637	2 324		87 037	
BELLOY 078-01W6									
CADOTTE A	591	0.75	0.05	421	66	355	37	13 298	3 900
NOTIKEWIN A	1 209	0.75	0.05	862	294	568	37	21 260	1 210
DEBOLT B	494	0.80	0.10	356	113	243	43	10 510	890
OTHER	2 117			1 467	526	941		36 715	
TOTAL-BELLOY	4 411			3 106	999	2 107		81 783	
BELLSHILL LAKE 041-12W4									
BLAIRMORE ASSOC	124	0.70	0.20	70			38		224
BLAIRMORE SOLN	1 385	0.65	0.45	495			38		
BLAIRMORE ASSOC	5	0.70	0.20	3			38		29
BLAIRMORE ASSOC	11	0.70	0.20	6			38		34
BLAIRMORE ASSOC	7	0.70	0.20	4			38		30
BLAIRMORE ASSOC	72	0.70	0.20	40			38		139
BLAIRMORE TOTAL	1 604	0.65	0.40	618	109	509	38	19 149	
OTHER	629			415	107	308		11 316	
TOTAL-BELLSHILL LAKE	2 233			1 033	216	817		30 465	
BENJAMIN 028-07W5									
RUNDLE A	1 809	0.65	0.15	1 000		1 000	40	39 810	1 003
RUNDLE B	1 865	0.65	0.15	1 030	187	843	40	33 349	881
RUNDLE C	1 600	0.65	0.15	884	71	813	38	31 244	440
TOTAL-BENJAMIN	5 274			2 914	258	2 656		104 403	
BENTLEY 058-07W4									
TOTAL-BENTLEY	76			45		45		1 673	
BENTON 028-03W4									
TOTAL-BENTON	419			295	78	217		8 104	
BERLAND RIVER 059-23W5									
LEDUC A	3 852	0.90	0.25	2 600	978	1 622	38	61 279	280
TOTAL-BERLAND RIVER	3 852			2 600	978	1 622		61 279	
BERLAND RIVER WEST 058-25W5									
WABAMUN 10-058-25	663	0.80	0.25	398		398	38	15 108	440
WABAMUN 26-058-25	422	0.80	0.05	321		321	39	12 628	200
OTHER	100			68		68		2 960	
TOTAL-BERLAND RIVER WEST	1 185			787		787		30 696	
BERRY 027-12W4									
TOTAL-BERRY	2 580			1 771	342	1 429		55 539	
BESSIE 062-15W5									
TOTAL-BESSIE	50			34		34		1 378	
BIG ARROW 099-05W6									
TOTAL-BIG ARROW	88			56		56		2 190	
BIG BEND 066-27W4									
GRAND RAPIDS Q	601	0.90	0.05	514	483	31	38	1 170	437
MCMURRAY H	700	0.75	0.05	499	356	143	37	5 335	1 564
MCMURRAY B		0.65	0.05				38		1 271
MCMURRAY II		0.65	0.05				38		425
WABAMUN F		0.65	0.05				39		128

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
2.21	0.270	0.45	4 070	22	0.919	0.58	504.6	1965	1983	TCPL PANALTA MATERIAL BALANCE
2.12	0.300	0.65	3 450	22	0.932	0.59	528.2	1963	1982	PRODUCTION DECLINE
1.51	0.312	0.35	3 700	20	0.925	0.57	538.5	1969	1983	PRODUCTION DECLINE
2.12	0.300	0.55	3 860	27	0.928	0.57	550.2	1969	1982	PRODUCTION DECLINE
2.78	0.300	0.55	4 070	20	0.917	0.58	568.9	1969	1982	PRODUCTION DECLINE
								1963	1985	TCPL
2.54	0.270	0.70	3 120	25	0.943	0.55	517.8	1951	1982	A&S TCPL
2.87	0.270	0.60	4 650	27	0.919	0.55	569.2	1951	1979	A&S MATERIAL BALANCE
7.41	0.200	0.75	14 400	60	0.822	0.66	1 444.9	1951	1981	A&S MATERIAL BALANCE
3.91	0.278	0.70	6 510	30	0.839	0.78	900.6	1956	1987	
						0.78		1956	1987	
1.14	0.278	0.70	6 510	30	0.839	0.78	902.6	1956	1987	
2.32	0.278	0.70	6 510	30	0.839	0.78	899.8	1956	1987	
1.67	0.278	0.70	6 510	30	0.839	0.78	916.4	1956	1987	
3.66	0.278	0.70	6 510	30	0.839	0.78	940.0	1956	1987	
								1956	1987	TCPL
18.90	0.055	0.75	28 000	92	0.943	0.66	3 336.8	1969	1985	PANALTA PROGAS TOP/BASE TVD
23.40	0.053	0.75	27 400	92	0.938	0.66	3 296.1	1961	1984	PANALTA PROGAS TOP/BASE TVD
36.00	0.057	0.75	28 900	92	0.953	0.67	3 495.0	1978	1984	PANALTA PROGAS TOP/BASE TVD
65.60	0.072	0.90	36 450	121	1.015	0.68	3 762.9	1958	1986	TCPL MATERIAL BALANCE
21.87	0.036	0.80	33 090	127	0.984	0.72	3 724.0	1958	1973	TCPL BER
12.00	0.084	0.85	33 000	104	1.012	0.59	3 618.0	1980	1981	TCPL BER
4.70	0.250	0.60	4 620	21	0.910	0.56	600.6	1967	1981	TCPL PRODUCTION DECLINE
3.05	0.199	0.65	4 680	30	0.911	0.63	795.3	1967	1987	TCPL MATERIAL BALANCE
3.10	0.190	0.60	5 000	30	0.907	0.60	800.4	1968	1987	PRODUCTION DECLINE
1.83	0.253	0.60	5 000	29	0.905	0.60	799.8	1968	1983	PRODUCTION DECLINE
6.10	0.190	0.70	4 710	36	0.913	0.63	802.9	1976	1983	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
BIG BEND 066-27W4 (CONTINUED)									
MCMURRAY B,II & WAB F TOTAL	585	0.65	0.05	361	288	73	38	2 802	
WABAMUN A	1 007	0.75	0.05	717	230	487	38	18 394	1 666
WABAMUN E	459	0.70	0.05	305	157	148	38	5 605	1 071
OTHER	9 565			6 055	2 563	3 492		131 988	
TOTAL-BIG BEND	12 917			8 451	4 077	4 374		165 294	
BIG COULEE 067-23W4									
TOTAL-BIG COULEE	858			545	162	383		14 568	
BIGHORN 043-17W5									
TOTAL-BIGHORN	668			447		447		18 064	
BIGORAY 051-08W5									
GLAUCONITIC I	1 511	0.65	0.06	923	62	861	39	33 786	3 580
PEKISKO A SOLN	335	0.60	0.10	181[b]			42		
PEKISKO A ASSOC	1 469	0.90	0.10	1 190[b]	1 071[b]	300	42	12 468	4 959
OTHER	4 914			2 674	238	2 436		97 898	
TOTAL-BIGORAY	8 229			4 968	1 371	3 597		144 152	
BIGSTONE 061-22W5									
DUNVEGAN A	4 602	0.75	0.05	3 280	442	2 838	40	114 854	4 851
D-3 A	13 810	0.42	0.30	4 060	3 766	294	37	10 805	2 331
OTHER	1 031			646		646		24 794	
TOTAL-BIGSTONE	19 443			7 986	4 208	3 778		150 453	
BILAWCHUK 080-09W6									
TOTAL-BILAWCHUK	381			269		269		10 578	
BILBO 065-08W6									
TOTAL-BILBO	3 324			2 295		2 295		91 156	
BINDLOSS 023-04W4									
MILK RIVER A	1 519	0.70	0.05	1 010			36		19 140
MEDICINE HAT A	549	0.70	0.03	372			36		22 725
MEDICINE HAT D	6	0.50	0.03	3			36		380
SE ALTA GAS SYS (MU) TOTAL	2 074	0.70	0.05	1 385	325	1 060	36	38 648	
VIKING A	10 774	0.90	0.01	9 600	7 752	1 848	37	68 247	18 120
LOWER MANNVILLE C	757	0.90	0.10	613	34	579	40	23 050	405
OTHER	702			482	100	382		13 739	
TOTAL-BINDLOSS	14 307			12 080	8 211	3 869		143 684	
BIRCH 050-11W4									
UPPER MANNVILLE R	476	0.80	0.05	362	130	232	36	8 459	807
CAMROSE B	896	0.90	0.05	766	600	166	37	6 202	4 603
OTHER	2 615			1 755	372	1 383		52 274	
TOTAL-BIRCH	3 987			2 883	1 102	1 781		66 935	
BISON LAKE 095-15W5									
TOTAL-BISON LAKE	319			204		204		7 772	
BISTCHO 122-04W6									
TOTAL-BISTCHO	212			148		148		5 606	
BITTERN LAKE 046-22W4									
GLAUCONITIC J	521	0.75	0.05	371	96	275	38	10 362	200
GLAUCONITIC O	589	0.85	0.05	476	476	< 1	37	-	200
OTHER	2 520			1 735	540	1 195		45 438	
TOTAL-BITTERN LAKE	3 630			2 582	1 112	1 470		55 800	
BLACK 110-09W6									
TOTAL-BLACK	1 382			923		923		36 449	
BLACK BUTTE 001-08W4									
BASAL COLORADO A	322	0.80	0.05	245			37		1 016
BASAL COLORADO B	300	0.85	0.05	242			37		838
BASAL COLORADO A&B TOTAL	622	0.80	0.05	487	379	108	37	4 009	
SUNBURST-SWIFT A	469	0.80	0.04	360	314	46	41	1 883	824
SAWTOOTH A	900	0.82	0.05	701	616	85	38	3 227	1 660
RUNDLE A	1 105	0.80	0.10	796	416	380	38	14 394	1 230
OTHER	423			291	202	89		3 299	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1968	1983	TCPL
6.98	0.214	0.80	5 000	35	0.913	0.60	811.7	1967	1976	TCPL
5.42	0.200	0.80	4 957	38	0.918	0.59	824.8	1975	1979	TCPL
4.32	0.126	0.55	13 500	58	0.823	0.66	1 813.5	1958	1986	A&S PART OF GLAUC POOL NO.5
						0.67		1965	1986	A&S CONCURRENT PRODUCTION
5.20	0.060	0.60	15 160	58	0.823	0.67	1 832.3	1965	1986	A&S CONCURRENT PRODUCTION
5.51	0.154	0.55	17 930	60	0.802	0.68	1 973.7	1959	1986	A&S PROGAS
17.47	0.080	0.85	32 650	116	0.972	0.70	3 383.4	1960	1986	A&S PRODUCTION DECLINE GAS CYCLING
3.13	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.56	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.40	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1983	PANALTA TCPL
3.43	0.294	0.55	6 830	27	0.881	0.59	685.5	1952	1984	TCPL MATERIAL BALANCE
5.18	0.233	0.60	10 100	30	0.799	0.65	843.7	1954	1967	TCPL
5.22	0.289	0.75	5 040	28	0.914	0.58	656.5	1978	1984	TCPL
3.06	0.101	0.65	4 760	27	0.914	0.57	713.5	1961	1987	TCPL MATERIAL BALANCE
11.90	0.270	0.89	8 440	37	0.865	0.60	1 189.5	1977	1986	TCPL PRODUCTION DECLINE
11.28	0.230	0.90	8 890	38	0.848	0.64	1 225.0	1967	1987	
4.00	0.195	0.55	6 300	24	0.885	0.58	771.6	1944	1987	CMG PRODUCTION DECLINE
3.18	0.231	0.60	6 430	24	0.882	0.57	788.9	1944	1987	CMG PRODUCTION DECLINE
								1944	1987	
5.77	0.200	0.70	7 100	30	0.848	0.65	900.8	1944	1984	CMG PRODUCTION DECLINE
2.58	0.200	0.70	8 100	33	0.871	0.60	990.8	1944	1981	CMG PRODUCTION DECLINE
5.98	0.100	0.80	8 260	33	0.867	0.62	997.0	1944	1979	CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
BLACK BUTTE 001-08W4 (CONTINUED)									
TOTAL-BLACK BUTTE	3 519			2 635	1 927	708		26 812	
BLACK DIAMOND 020-02W5									
TOTAL-BLACK DIAMOND	346			47	41	6		245	
BLACKFOOT 022-23W4									
TOTAL-BLACKFOOT	387			256	115	141		5 255	
BLACKSTONE 045-16W5									
CARDIUM SD 26-044-16	435	0.85	0.05	352		352	39	13 580	200
BEAVERHILL LAKE A	18 334	0.80	0.25	11 000	732	10 268	37	382 380	3 724
OTHER	395			261		261		10 758	
TOTAL-BLACKSTONE	19 164			11 613	732	10 881		406 718	
BLANSKY (SA) 001-02W4									
TOTAL-BLANSKY	64			48		48		1 767	
BLOOD 006-22W4									
BOW ISLAND A	778	0.60	0.05	444	131	313	38	11 894	1 967
OTHER	36			17		17		635	
TOTAL-BLOOD	814			461	131	330		12 529	
BLOOR 033-12W4									
TOTAL-BLOOR	260			171	16	155		6 009	
BLUEBERRY 082-07W6									
BELLOY 16-082-07	451	0.90	0.10	365		365	40	14 483	200
KISKATINAW A	1 139	0.80	0.05	865	434	431	39	16 904	200
OTHER	227			152		152		5 974	
TOTAL-BLUEBERRY	1 817			1 382	434	948		37 361	
BLUERIDGE 059-10W5									
JURASSIC A	748	0.60	0.10	404	233	171	40	6 891	200
JURASSIC B	2 639	0.80	0.10	1 900	1 095	805	41	32 973	3 943
PEKISKO A SOLN	79	0.60	0.10	42[b]			40		
PEKISKO A ASSOC	952	0.90	0.10	771[b]	452[b]	361	40	14 335	1 599
OTHER	930			600	11	589		23 139	
TOTAL-BLUERIDGE	5 348			3 717	1 791	1 926		77 338	
BOGGY LAKE (SA) 030-06W5									
TOTAL-BOGGY LAKE	40			27		27		1 069	
BOHN (SA) 081-07W4									
TOTAL-BOHN	92			45		45		1 668	
BOLLOQUE 064-26W4									
LOWER MANNVILLE A	894	0.70	0.05	595	512	83	38	3 154	2 631
LOWER MANNVILLE B	579	0.80	0.05	440	110	330	38	12 474	1 161
OTHER	1 433			903	102	801		30 541	
TOTAL-BOLLOQUE	2 906			1 938	724	1 214		46 169	
BOLTAN (SA) 060-02W6									
TOTAL-BOLTAN	184			126		126		5 472	
BONANZA 081-12W6									
HALFWAY A	447	0.85	0.15	323		323	40	12 881	1 222
OTHER	1 206			729	12	717		28 917	
TOTAL-BONANZA	1 653			1 052	12	1 040		41 798	
BONDISS 064-15W4									
TOTAL-BONDISS	188			121	43	78		2 918	
BONNIE GLEN 047-27W4									
GLAUCONITIC A	913	0.70	0.10	575	141	434	39	17 069	2 223
D-3 A SOLN	17 625	0.80	0.25	10 575[b]			41		
D-3 A ASSOC	14 212	0.90	0.14	11 000[b]	5 919[b]	15 656	41	638 921	1 309
OTHER	1 448			925	335	590		22 961	
TOTAL-BONNIE GLEN	34 198			23 075	6 395	16 680		678 951	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
16.50	0.123	0.55	21 740	81	0.896	0.63	2 777.8	1979	1980	
23.32	0.084	0.89	45 200	140	1.102	0.72	4 737.4	1979	1984	TCPL
10.08	0.154	0.75	3 410	32	0.936	0.62	1 015.1	1978	1986	PANALTA
10.49	0.200	0.75	14 480	63	0.855	0.61	1 444.4	1973	1977	TCPL BER
9.87	0.130	0.70	15 380	64	0.846	0.65	1 581.9	1973	1987	TCPL MATERIAL BALANCE
7.05	0.208	0.60	12 540	66	0.856	0.64	1 672.8	1957	1985	TCPL MATERIAL BALANCE
4.11	0.190	0.65	12 450	65	0.853	0.65	1 719.7	1967	1987	TCPL MATERIAL BALANCE
						0.65		1968	1982	TCPL CONCURRENT PRODUCTION OIL DEPLETED
5.81	0.127	0.65	12 550	64	0.853	0.65	1 729.9	1968	1982	TCPL CONCURRENT PRODUCTION OIL DEPLETED
3.20	0.227	0.70	5 450	29	0.900	0.58	868.5	1965	1983	TCPL MATERIAL BALANCE
3.77	0.300	0.80	5 380	33	0.907	0.58	863.9	1973	1980	TCPL
2.45	0.122	0.75	14 520	60	0.760	0.83	1 482.7	1973	1984	PANALTA BER
5.19	0.132	0.50	11 940	64	0.840	0.67	1 555.4	1954	1987	PANALTA PROGAS SOQUIP PART OF GLAUC POOL NO.3
						0.79		1951	1984	SOQUIP CONCURRENT PRODUCTION GAS CYCLING
66.06	0.104	0.94	16 820	80	0.806	0.79	2 042.2	1951	1984	SOQUIP CONCURRENT PRODUCTION GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
BONNYVILLE 060-05W4									
TOTAL-BONNYVILLE	900			600	420	180		6 701	
BORDER 042-05W4									
TOTAL-BORDER	86			51		51		1 829	
BORRADAILE 051-05W4									
TOTAL-BORRADAILE	89			58		58		2 138	
BOTHA 098-05W6									
DEBOLT A	446	0.85	0.05	360		360	37	13 198	3 771
OTHER	198			130		130		4 961	
TOTAL-BOTHA	644			490		490		18 159	
BOTTREL 028-05W5									
TOTAL-BOTTREL	434			299		299		12 322	
BOUCHER 079-04W6									
TOTAL-BOUCHER	108			72		72		2 740	
BOUNDARY LAKE SOUTH 084-12W6									
TRIASSIC E SOLN	1 086	0.45	0.10	440	372	68	43	2 949	
TRIASSIC G	939	0.80	0.10	676	470	206	41	8 491	3 282
KISKATINAW E	1 020	0.85	0.05	824	787	37	39	1 440	896
GOLATA B	1 187	0.90	0.10	961	789	172	41	6 975	400
KISKATINAW B	107	0.75	0.05	76			39		200
GOLATA A	455	0.85	0.05	368			38		440
KISKAT B & GOLATA A TOTAL	562	0.85	0.05	444	386	58	38	2 230	
OTHER	1 893			1 136	158	978		40 257	
TOTAL-BOUNDARY LAKE SOUTH	6 687			4 481	2 962	1 519		62 342	
BOUVIER 070-24W4									
WABAMUN C	516	0.65	0.05	318	52	266	38	9 999	1 056
OTHER	482			292	84	208		7 838	
TOTAL-BOUVIER	998			610	136	474		17 837	
BOVINE (SA) 033-28W4									
TOTAL-BOVINE	31			18		18		709	
BOW ISLAND 011-11W4									
MILK RIVER A	101	0.70	0.05	67			36		2 112
MEDICINE HAT C	24	0.50	0.03	12			36		935
MEDICINE HAT D	4	0.50	0.03	2			36		202
SECOND WHITE SPECKS A	1 165	0.75	0.05	830			36		17 119
SECOND WHITE SPECKS C	7	0.80	0.05	6			36		150
SE ALTA GAS SYS (MU) TOTAL	1 301	0.75	0.05	917	3	914	36	33 324	
BOW ISLAND	2 667	0.75	0.05	1 900	1 604	296	39	11 568	38 702
OTHER	628			458	9	449		16 360	
TOTAL-BOW ISLAND	4 596			3 275	1 616	1 659		61 252	
BOWDEN (SA) 033-28W4									
TOTAL-BOWDEN	31			18		18		709	
BOYER 103-22W5									
BLUESKY A	18 422	0.60	0.05	10 500			37		130 779
BLUESKY A	596	0.60	0.05	340			37		9 539
BLUESKY A	147	0.60	0.05	84			37		4 410
BLUESKY A	34	0.60	0.05	19			37		1 114
BLUESKY A	20	0.65	0.05	12			37		150
BLUESKY A	13	0.65	0.05	8			37		150
BLUESKY A	8	0.65	0.05	5			37		150
BLUESKY A	8	0.65	0.05	5			37		150
BLUESKY A	6	0.60	0.05	4			37		150
BLUESKY A	11	0.65	0.05	7			37		150
BLUESKY A	5	0.65	0.05	3			37		150

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.23	0.174	0.40	5 220	35	0.916	0.58	767.5	1975	1982	NONCOMMERCIAL OIL
						0.65		1964	1987	WCOAST
2.73	0.125	0.75	11 140	60	0.851	0.65	1 308.1	1967	1982	PANALTA WCOAST
5.07	0.156	0.85	16 060	77	0.885	0.59	1 893.7	1964	1976	WCOAST MATERIAL BALANCE
6.17	0.144	0.80	16 340	63	0.831	0.66	1 858.1	1964	1986	WCOAST MATERIAL BALANCE
2.44	0.170	0.80	16 230	60	0.861	0.59	1 845.0	1958	1980	
5.79	0.140	0.80	16 350	63	0.868	0.59	1 859.3	1958	1980	
								1958	1980	WCOAST
9.04	0.200	0.75	3 590	30	0.935	0.58	650.4	1977	1982	TCPL
1.88	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.65	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.50	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.88	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
1.00	0.120	0.65	5 270	20	0.901	0.58	612.5	1980	1987	
								1910	1986	TCPL PROGAS
1.19	0.182	0.55	5 330	27	0.893	0.61	646.3	1909	1987	PRODUCTION DECLINE
6.40	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
2.84	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.51	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.38	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
6.20	0.207	0.40	2 560	21	0.949	0.57	389.3	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-29-100-23 W5M
3.40	0.190	0.50	2 700	21	0.946	0.57	379.0	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-31-101-24 W5M
3.00	0.160	0.40	2 750	22	0.946	0.57	429.6	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-24-101-01 W6M
2.44	0.210	0.40	2 550	19	0.948	0.57	338.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-16-102-23 W5M
1.80	0.210	0.40	2 550	19	0.948	0.57	227.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 02/7-11-104-21 W5M
3.35	0.210	0.40	2 550	16	0.946	0.57	228.2	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-07-105-20 W5M
1.52	0.210	0.40	2 550	16	0.946	0.57	233.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-10-105-21 W5M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
BOYER 103-22W5 (CONTINUED)									
BLUESKY A	12	0.65	0.05	8			37		150
BLUESKY A	11	0.65	0.05	7			37		150
BLUESKY A	28	0.60	0.05	16			37		150
BLUESKY A	30	0.65	0.05	19			37		150
BLUESKY A	27	0.60	0.05	15			37		150
BLUESKY A	32	0.60	0.05	18			37		150
BLUESKY A	26	0.65	0.05	16			37		150
BLUESKY A	18	0.65	0.05	11			37		150
GETHING A	232	0.70	0.05	154			38		3 644
BLUESKY A & GETHING A TOTAL	19 686	0.60	0.05	11 251	2 183	9 068	37	339 778	
OTHER	460			278	88	190		7 050	
TOTAL-BOYER	20 146			11 529	2 271	9 258		346 828	
BRAEBURN 077-10W6									
BALDONNEL A	635	0.80	0.10	457	406	51	40	2 018	2 131
OTHER	889			326	104	222		8 873	
TOTAL-BRAEBURN	1 524			783	510	273		10 891	
BRANCH (SA) 002-20W4									
TOTAL-BRANCH	5			3		3		101	
BRANT 018-25W4									
TOTAL-BRANT	152			79	34	45		1 632	
BRAZEAU RIVER 045-13W5									
CARDIUM C SOLN	733	0.65	0.25	357	77	280	41	11 533	
LOWER MANNVILLE E	921	0.85	0.15	666	3	663	42	27 945	1 241
NORDEGG 07-047-12	558	0.85	0.10	427		427	39	16 849	256
ELKTON-SHUNDA A		0.75	0.10				40		5 883
ELKTON-SHUNDA A		0.75	0.10				40		9 428
ELKTON-SHUNDA A TOTAL	13 037	0.75	0.10	8 800	5 649	3 151	40	125 536	
ELKTON-SHUNDA B		0.85	0.10				40		26 045
ELKTON-SHUNDA B		0.85	0.10				40		42 772
ELKTON-SHUNDA B		0.85	0.10				40		128
ELKTON-SHUNDA B		0.85	0.10				40		11 056
ELKTON-SHUNDA B		0.85	0.10				40		26 958
ELKTON-SHUNDA B TOTAL	36 601	0.85	0.10	28 000	18 334	9 666	40	385 190	
NISKU A SOLN	943	0.75	0.35	460	422	38	41	1 554	
NISKU E SOLN	814	0.65	0.35	344	344	< 1	41	-	
NISKU F	753	0.80	0.30	421	29	392	42	16 621	104
NISKU J	707	c	c	481	23	458	41	18 783	96
NISKU K	812	c	c	429	134	295	41	12 098	255
NISKU M	1 489	c	c	823	89	734	41	30 358	150
NISKU P	9 408	c	c	3 730	108	3 622	40	144 880	3 761
NISKU S	1 021	0.85	0.20	694	244	450	39	17 465	128
OTHER	9 067			5 493	-1 181	6 674		269 724	
TOTAL-BRAZEAU RIVER	76 864			51 125	24 275	26 850		1 078 536	
BREMNER 078-04W6									
TOTAL-BREMNER	31			22		22		835	
BRIDGE 057-07W5									
TOTAL-BRIDGE	217			147	11	136		5 353	
BRIGHT 051-02W5									
TOTAL-BRIGHT	272			193		193		7 651	
BRIKER 046-03W4									
TOTAL-BRIKER	114			81		81		2 894	
BRINTELL (SA) 081-23W4									
TOTAL-BRINTELL	37			22		22		812	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.96	0.210	0.40	2 300	16	0.951	0.57	231.9	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-105-21 W5M
3.70	0.180	0.50	2 230	16	0.953	0.57	229.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-22-105-21 W5M
8.20	0.210	0.40	2 600	16	0.945	0.57	266.9	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-09-106-23 W5M
9.90	0.200	0.40	2 420	16	0.949	0.57	266.4	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-28-106-23 W5M
8.90	0.192	0.40	2 550	16	0.946	0.57	273.3	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 06-13-106-24 W5M
9.00	0.230	0.40	2 500	16	0.947	0.57	298.5	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-106-1 W6M
5.86	0.210	0.50	2 640	14	0.943	0.57	220.7	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 02-06-106-20 W5M
4.01	0.210	0.50	2 640	14	0.943	0.57	217.9	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-106-20 W5M
1.90	0.250	0.50	2 620	21	0.947	0.57	384.7	1976	1980	PART OF BLSKY POOL NO.1
								1972	1985	DOMEDOW A&S KANNGAZ PANALTA TCPL PART OF BLSKY POOL NO.1
2.44	0.125	0.70	13 540	53	0.846	0.63	1 738.3	1954	1982	WCOAST
						0.71		1985	1987	TCPL CWNGNUL DEEP CUT SL
2.01	0.156	0.90	32 610	97	0.953	0.77	2 927.0	1975	1978	KANNGAZ TCPL
28.60	0.050	0.90	20 630	113	0.898	0.73	2 742.0	1979	1982	
5.59	0.114	0.85	26 580	99	0.939	0.68	2 944.3	1965	1985	MATERIAL BALANCE
3.85	0.070	0.85	26 580	99	0.942	0.66	2 925.5	1965	1986	MATERIAL BALANCE
								1965	1984	A&S PROGAS TCPL
3.91	0.114	0.80	26 800	95	0.940	0.67	3 023.9	1959	1985	MATERIAL BALANCE
2.72	0.079	0.75	26 800	95	0.937	0.68	2 948.3	1959	1985	MATERIAL BALANCE
0.60	0.079	0.75	26 800	95	0.937	0.68	3 048.9	1960	1985	MATERIAL BALANCE ASSIGNED WELL 06-03-045-13 W5M
0.63	0.051	0.60	26 800	95	0.938	0.67	2 830.0	1959	1985	MATERIAL BALANCE
1.46	0.069	0.75	26 800	95	0.938	0.67	2 890.0	1981	1985	MATERIAL BALANCE
								1959	1985	DOMEDOW A&S TCPL PROGAS
						0.74		1977	1986	A&S
						0.74		1978	1983	A&S
28.61	0.097	0.90	46 300	107	1.195	1.11	3 355.3	1978	1984	TCPL GAS CYCLING
21.80	0.138	0.90	38 390	108	1.053	1.21	3 361.4	1979	1984	TCPL GAS CYCLING
26.07	0.053	0.75	70 730	117	1.678		3 844.4	1978	1986	TCPL GAS CYCLING
29.76	0.109	0.85	50 590	104	1.259	0.79	3 271.8	1979	1987	TCPL GAS CYCLING
16.23	0.056	0.85	35 780	99	0.935	1.20	3 137.3	1977	1987	DOMEDOW A&S TCPL GAS CYCLING
49.69	0.065	0.90	37 880	110	1.034	0.87	3 761.9	1979	1986	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m3	REMAINING ENERGY CONTENT TJ	ha
BRITTS (SA) 096-17W5									
TOTAL-BRITTS	31			17		17		639	
BRONSON 057-17W5									
TOTAL-BRONSON	817			560		560		21 127	
BROOKS 018-14W4									
MILK RIVER A	444	0.70	0.05	295			37		3 498
MEDICINE HAT A	64	0.70	0.03	44			36		1 878
MEDICINE HAT C	54	0.50	0.03	26			36		1 440
MEDICINE HAT D	8	0.50	0.03	4			36		344
SE ALTA GAS SYS (MU) TOTAL	570	0.70	0.05	369	209	160	37	5 907	
OTHER	45			32		32		1 161	
TOTAL-BROOKS	615			401	209	192		7 068	
BROWN CREEK (SA) 044-17W5									
TOTAL-BROWN CREEK	340			275		275		10 981	
BROWNVALE 081-26W5									
TOTAL-BROWNVALE	166			103		103		3 838	
BROXBURN 009-21W4									
TOTAL-BROXBURN	50			29	23	6		206	
BRUCE 047-16W4									
BELLY RIVER J	463	0.75	0.05	330	222	108	37	4 006	3 316
UPPER VIKING A		0.75	0.03				37		83 884
MIDDLE VIKING A		0.75	0.03				37		
MIDDLE VIKING B	385	0.55	0.03	206			37		15 454
UPPER VIKING F		0.60	0.05				38		200
U VIK A&F & M VIK A&B TOTAL	5 085	0.75	0.05	3 700	2 287	1 413	37	52 747	
UPPER MANNVILLE ZZZ	455	0.70	0.05	303	188	115	37	4 250	369
UPPER MANNVILLE A2A	523	0.65	0.05	323	198	125	38	4 738	583
OTHER	12 104			8 013	2 425	5 588		209 768	
TOTAL-BRUCE	18 630			12 669	5 320	7 349		275 509	
BUFF COULEE 046-07W4									
COLONY A	523	0.85	0.05	423	131	292	37	10 827	3 546
COLONY C	612	0.70	0.05	407	192	215	36	7 800	200
OTHER	458			319	58	261		9 590	
TOTAL-BUFF COULEE	1 593			1 149	381	768		28 217	
BUFFALO LAKE 039-21W4									
TOTAL-BUFFALO LAKE	501			227	30	197		7 731	
BUICK 090-02W6									
TOTAL-BUICK	76			50		50		1 848	
BURDETT 009-10W4									
TOTAL-BURDETT	81			58		58		2 216	
BURNT TIMBER 031-09W5									
RUNDLE A	20 750	0.80	0.20	13 280			40		4 442
RUNDLE B	2 688	0.80	0.20	1 720			39		2 465
RUNDLE A & B TOTAL	23 438	0.80	0.20	15 000	8 533	6 467	40	256 805	
WABAMUN A	4 827	0.75	0.50	1 810	673	1 137	38	43 627	2 986
TOTAL-BURNT TIMBER	28 265			16 810	9 206	7 604		300 432	
BUSBY (SA) 057-27W4									
TOTAL-BUSBY	102			70		70		2 777	
BYEMOOR 034-19W4									
TOTAL-BYEMOOR	137			93		93		3 552	
CACHE 058-12W4									
VIKING A	2 355	0.80	0.05	1 790	21	1 769	37	66 037	34 666
COLONY D	526	0.80	0.05	400	147	253	38	9 515	2 132
COLONY G	471	0.80	0.05	358	234	124	38	4 657	593
COLONY P	410	0.80	0.05	312	88	224	37	8 295	1 081
COLONY B		0.60	0.05				35		1 530

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.01	0.154	0.55	3 140	16	0.935	0.57	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.79	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.95	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.59	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1987	CWNGNUL PANALTA TCPL
3.09	0.268	0.60	2 740	20	0.947	0.56	371.8	1978	1986	TCPL A&S PART OF BR POOL NO.2
1.19	0.180	0.70	5 650	26	0.895	0.60	714.5	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
	0.180	0.70	5 650	26	0.895	0.59	789.4	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.15	0.212	0.40	5 650	27	0.898	0.60	745.4	1952	1985	PART OF VIK POOL NO.2 PRODUCTION DECLINE
1.24	0.230	0.55	3 960	25	0.921	0.59	735.5	1976	1976	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1985	PANALTA TCPL PROGAS A&S KANNGAZ PART OF VIK POOL NO.2
1.30	0.232	0.70	6 170	29	0.891	0.60	882.7	1977	1986	TCPL MATERIAL BALANCE
3.39	0.265	0.75	6 140	28	0.889	0.58	872.1	1976	1987	TCPL PRODUCTION DECLINE
2.12	0.285	0.60	3 980	27	0.927	0.59	596.4	1976	1987	CWNGNUL PANALTA
11.72	0.280	0.89	4 250	21	0.920	0.58	593.8	1977	1986	CWNGNUL MATERIAL BALANCE
31.61	0.073	0.88	26 610	94	0.916	0.71	3 229.6	1959	1986	TOP/BASE TVD
9.52	0.065	0.80	25 860	100	0.895	0.75	3 342.4	1959	1986	TOP/BASE TVD
								1959	1984	TCPL
13.99	0.054	0.80	31 720	116	0.867	0.88	3 753.4	1976	1983	TCPL TOP/BASE TVD
1.04	0.283	0.55	4 000	21	0.922	0.57	434.3	1949	1984	MIP PANALTA TCPL PART OF VIK POOL NO.6
5.12	0.230	0.55	3 650	21	0.927	0.57	477.6	1952	1977	NUL CWNG CWNGNUL MIP PANALTA TCPL OIL POOL DEPLETED
2.99	0.246	0.60	3 390	22	0.934	0.57	491.9	1965	1985	NUL CWNG MIP TCPL MATERIAL BALANCE
4.86	0.283	0.75	3 520	19	0.932	0.56	498.3	1977	1981	MIP PANALTA TCPL
1.30	0.277	0.70	3 790	19	0.928	0.59	484.0	1971	1986	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
CACHE 058-12W4 (CONTINUED)									
COLONY C		0.60	0.05				35		1 221
COLONY S		0.60	0.05				38		200
COLONY B,C & S TOTAL	541	0.60	0.05	309	268	41	36	1 476	
COLONY BB	71	0.65	0.05	44			38		745
COLONY EE	112	0.70	0.05	74			38		1 262
COLONY HH	330	0.80	0.05	251			38		2 608
COLONY BB, EE & HH TOTAL	513	0.75	0.05	369	224	145	38	5 519	
COLONY DD		0.75	0.05				37		880
COLONY FF		0.75	0.05				38		750
COLONY DD & FF TOTAL	486	0.75	0.05	346	239	107	38	4 040	
COLONY E	328	0.75	0.05	234			38		2 744
COLONY RR	9	0.70	0.05	6			38		150
COLONY F	103	0.70	0.05	68			37		903
COLONY E,F & RR TOTAL	440	0.75	0.05	308	121	187	38	7 024	
CLEARWATER B	1 247	0.70	0.05	829	706	123	37	4 573	3 843
OTHER	4 879			3 223	1 414	1 809		67 811	
TOTAL-CACHE	11 868			8 244	3 462	4 782		178 947	
CADOTTE 086-19W5									
TOTAL-CADOTTE	649			404	151	253		9 343	
CALAIS 070-25W5									
TOTAL-CALAIS	300			218	39	179		6 481	
CALLING LAKE 071-18W4									
D-2 B	2 372	0.75	0.05	1 690	1 521	169	37	6 243	7 421
D-2 C	610	0.80	0.05	464	35	429	37	15 791	3 867
OTHER	676			436	63	373		13 994	
TOTAL-CALLING LAKE	3 658			2 590	1 619	971		36 028	
CALLING LAKE SOUTH 070-22W4									
TOTAL-CALLING LAKE SOUTH	552			343	47	296		11 039	
CALLING LAKE WEST 071-20W4									
UPPER MANNVILLE A	555	0.70	0.05	370	109	261	38	9 908	3 361
OTHER	817			517	108	409		15 196	
TOTAL-CALLING LAKE WEST	1 372			887	217	670		25 104	
CAMPBELL-NAMAO 054-25W4									
NAMAO BLAIRMORE E SOLN	121	0.65	0.10	71[b]			38		
NAMAO BLAIRMORE E ASSOC	848	0.90	0.10	687[b]	484[b]	274	38	10 522	704
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		161
CAMPBELL BLAIRMORE A SOLN	117	0.65	0.10	68[b]			38		
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		335
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				39		49
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				39		207
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				39		102
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				36		85
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				36		79
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		36
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		96
CAMPBELL BLAIRMORE A TOTAL	1 312	0.80	0.10	928[b]	688[b]	240	38	9 139	
OTHER	1 484			898	297	601		23 850	
TOTAL-CAMPBELL-NAMAO	3 765			2 584	1 469	1 115		43 511	
CANAL 070-23W4									
WABAMUN B	511	0.85	0.05	412	25	387	37	14 389	1 896
OTHER	163			104		104		3 900	
TOTAL-CANAL	674			516	25	491		18 289	
CANARD 057-09W4									
VIKING A	399	0.80	0.05	303	2	301	37	11 110	10 790
OTHER	1 594			1 068	332	736		27 575	
TOTAL-CANARD	1 993			1 371	334	1 037		38 685	
CAPRON 026-02W4									
TOTAL-CAPRON	196			132	8	124		4 731	
CARBON 029-22W4									
VIKING D	2 021	0.77	0.10	1 400	1 167	233	41	9 660	7 108
GLAUCONITIC	5 101	0.80	0.01	4 040	1 424	2 616	41	107 570	5 927

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.62	0.290	0.65	3 850	21	0.929	0.59	488.5	1971	1986	MATERIAL BALANCE
1.82	0.250	0.60	3 905	18	0.921	0.56	489.8	1971	1986	MATERIAL BALANCE
								1971	1986	MIP PANALTA TCPL
1.46	0.272	0.70	3 320	21	0.934	0.57	480.4	1977	1981	
1.33	0.270	0.60	3 920	21	0.920	0.58	485.4	1973	1982	
1.66	0.294	0.65	3 800	21	0.922	0.58	481.4	1971	1981	
								1971	1982	MIP PANALTA TCPL
1.33	0.290	0.60	4 220	21	0.918	0.57	483.0	1958	1985	MATERIAL BALANCE
1.42	0.278	0.70	4 270	21	0.913	0.58	476.9	1958	1981	MATERIAL BALANCE
								1958	1982	MIP
1.54	0.304	0.70	3 510	21	0.931	0.57	492.6	1973	1986	
1.50	0.230	0.50	3 370	27	0.938	0.57	509.6	1978	1986	
1.75	0.272	0.65	3 570	22	0.932	0.56	480.6	1973	1986	
								1973	1986	MIP PANALTA
2.33	0.313	0.65	3 850	21	0.927	0.56	573.1	1973	1986	MIP PANALTA TCPL PRODUCTION DECLINE
9.40	0.055	0.55	2 450	19	0.951	0.57	464.0	1964	1986	MATERIAL BALANCE
7.77	0.120	0.65	2 520	17	0.949	0.57	473.2	1978	1986	KANNGAZ PANALTA TCPL
3.20	0.300	0.60	2 790	20	0.944	0.57	423.7	1970	1977	KANNGAZ PANALTA
						0.65		1951	1982	NORCEN GPP
9.11	0.192	0.80	8 380	46	0.868	0.65	1 105.6	1951	1982	NORCEN GPP
1.67	0.150	0.50	8 200	38	0.844	0.66	1 132.9	1950	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.66		1950	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.65	0.150	0.50	8 200	38	0.844	0.66	1 119.1	1950	1986	PRODUCTION DECLINE
2.86	0.200	0.50	8 020	36	0.816	0.70	1 128.2	1949	1986	PRODUCTION DECLINE
3.41	0.200	0.50	7 350	36	0.829	0.70	1 128.0	1950	1986	PRODUCTION DECLINE
1.97	0.210	0.60	8 020	36	0.816	0.70	1 125.4	1950	1986	PRODUCTION DECLINE
1.58	0.200	0.50	7 060	36	0.867	0.67	1 131.9	1950	1986	PRODUCTION DECLINE
1.09	0.200	0.50	8 370	37	0.849	0.67	1 132.4	1950	1986	PRODUCTION DECLINE
1.81	0.190	0.50	8 370	37	0.840	0.66	1 137.0	1950	1986	PRODUCTION DECLINE
2.74	0.190	0.50	8 370	37	0.840	0.66	1 136.8	1950	1986	PRODUCTION DECLINE
								1950	1986	NORCEN PANALTA CONCURRENT PRODUCTION
5.42	0.210	0.80	2 970	29	0.944	0.61	597.2	1972	1981	TCPL
0.77	0.256	0.45	3 950	19	0.922	0.57	474.6	1949	1983	PANALTA TCPL PART OF VIK POOL NO.6
2.02	0.145	0.60	8 180	41	0.839	0.66	1 300.2	1964	1985	A&S CWNGNUL PANALTA PART OF VIK POOL NO.3 PRODUCTION DECLINE
5.69	0.199	0.65	10 170	50	0.834	0.66	1 445.6	1955	1987	CWNG CWNGNUL TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CARBON 029-22W4 (CONTINUED)									
OTHER	1 634			1 018	429	589		23 127	
TOTAL-CARBON	8 756			6 458	3 020	3 438		140 357	
CARDIFF 054-02W5									
ELLERSLIE A	768	0.75	0.10	518	375	143	42	5 979	1 232
OTHER	301			205		205		8 114	
TOTAL-CARDIFF	1 069			723	375	348		14 093	
CARIBOU 062-10W5									
TOTAL-CARIBOU	181			127	21	106		4 106	
CAROLINE 035-06W5									
CARDIUM E SOLN	6 600	0.25	0.15	1 403	726	677	42	28 184	
VIKING A SOLN	872	0.65	0.15	482[b]			40		
VIKING A ASSOC	4 589	0.92	0.10	3 800[b]	2 994[b]	1 288	40	51 069	16 573
GLAUCONITIC 033-05	444	0.75	0.10	300		300	43	13 020	729
GLAUCONITIC C	445	0.85	0.10	340			40		1 040
BASAL MANNVILLE K	850	0.75	0.10	574			41		2 459
BASAL MANNVILLE R	197	0.80	0.10	142			41		822
BASAL MANNVILLE GG	2 718	0.65	0.10	1 590			40		5 317
BASAL MANNVILLE QQ	537	0.75	0.10	363			41		2 142
BASAL MANNVILLE RR	101	0.75	0.10	68			40		961
BASAL MANNVILLE KKK	29	0.75	0.10	20			41		150
BASAL MANNVILLE LLL	42	0.75	0.10	29			41		150
BASAL MANNVILLE MMM	73	0.75	0.10	50			41		150
BASAL MANNVILLE M2M	49	0.75	0.10	33			41		150
BASAL MANNVILLE N2N	96	0.75	0.10	65			41		150
BASAL MANNVILLE O2O	26	0.75	0.10	18			41		150
BASAL MANNVILLE P2P	49	0.75	0.10	33			41		150
BASAL MANNVILLE Q2Q	29	0.75	0.10	20			41		150
BASAL MANNVILLE R2R	67	0.75	0.10	45			40		150
GLAUC & BSL MANN MU 1 TOTAL	5 308	0.70	0.10	3 390	256	3 134	40	125 517	
BASAL MANNVILLE B	600	0.80	0.10	432	399	33	42	1 399	200
BASAL MANNVILLE G	518	0.85	0.10	396	300	96	41	3 972	200
BASAL MANNVILLE I	544	0.85	0.10	416			40		879
BASAL MANNVILLE XX	112	0.75	0.10	76			40		300
BASAL MANNVILLE YY	22	0.75	0.10	15			40		300
BASAL MANNVILLE AAA	26	0.75	0.10	18			40		150
BMN I,XX,YY & AAA TOTAL	704	0.85	0.10	525	21	504	40	20 205	
BASAL MANNVILLE M	230	0.75	0.10	156			39		598
BASAL MANNVILLE GGG	80	0.75	0.10	54			39		150
BASAL MANNVILLE HHH	90	0.75	0.10	61			39		432
BASAL MANNVILLE III	68	0.75	0.10	46			39		300
BASAL MANNVILLE MU #1 TOTAL	468	0.75	0.10	317	91	226	39	8 884	
BASAL MANNVILLE A	2 500	0.80	0.10	1 800			40		5 503
BASAL MANNVILLE L	563	0.80	0.10	405			40		2 369
BASAL MANNVILLE OO	631	0.80	0.10	455			41		1 671
BASAL MANNVILLE PP	38	0.80	0.10	27			41		300
BASAL MANNVILLE SS	166	0.80	0.10	120			40		656
BASAL MANNVILLE ZZ	22	0.80	0.10	16			41		150
BASAL MANNVILLE DDD	42	0.75	0.10	29			41		128
BASAL MANNVILLE JJJ	30	0.80	0.10	22			41		150
BASAL MANNVILLE YYY	142	0.75	0.10	96			41		300
BASAL MANNVILLE TTT ASSOC	34	0.75	0.15	22			42		150
BASAL MANNVILLE J2J	210	0.75	0.10	142			40		1 218
BASAL MANNVILLE T2T	346	0.85	0.15	250			42		1 082
BASAL MANNVILLE U2U	27	0.75	0.10	18			41		150
BASAL MANNVILLE V2V	21	0.80	0.10	15			40		150
BASAL MANNVILLE W2W	12	0.75	0.10	8			40		150
BASAL MANNVILLE MU #3 TOTAL	4 784	0.80	0.10	3 425	581	2 844	41	115 296	
BASAL MANNVILLE K2K	197	0.80	0.10	142			40		300
BASAL MANNVILLE L2L	95	0.80	0.10	68			40		300
BASAL MANNVILLE X2X	133	0.75	0.10	90			41		300
BASAL MANNVILLE MU #5 TOTAL	425	0.80	0.10	300	36	264	40	10 584	
BASAL MANNVILLE D	77	0.75	0.10	52			40		300
BASAL MANNVILLE Y	6 018	0.60	0.10	3 250			40		7 741
BASAL MANNVILLE EE	87	0.75	0.10	59			39		300
BASAL MANNVILLE FF	190	0.75	0.10	129			39		200
BASAL MANNVILLE HH	99	0.75	0.10	67			40		690
BASAL MANNVILLE II	11	0.70	0.10	7			40		128
BASAL MANNVILLE JJ	27	0.75	0.10	18			40		200
BASAL MANNVILLE KK	38	0.75	0.10	26			40		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.71	0.171	0.70	10 490	41	0.802	0.68	1 321.3	1977	1986	PROGAS PANALTA PRODUCTION DECLINE
						0.72		1974	1986	TCPL PANALTA SECONDARY GAS CAP
						0.67		1957	1986	PANALTA TCPL A&S CONCURRENT PRODUCTION
2.03	0.108	0.75	17 260	74	0.840	0.67	2 400.1	1957	1986	PANALTA TCPL A&S CONCURRENT PRODUCTION
2.75	0.113	0.80	27 990	83	0.913	0.68	2 767.6	1982	1987	
2.01	0.119	0.80	24 450	76	0.890	0.65	2 885.4	1981	1987	
1.69	0.108	0.75	28 480	80	0.909	0.70	3 007.9	1980	1987	
1.43	0.087	0.75	28 480	75	0.906	0.68	2 994.3	1980	1985	
2.92	0.097	0.75	27 120	80	0.908	0.67	2 935.2	1969	1987	
1.19	0.108	0.85	26 100	87	0.899	0.69	2 989.9	1981	1987	
0.85	0.078	0.70	26 060	87	0.905	0.68	2 953.0	1981	1987	
0.80	0.130	0.85	26 300	96	0.913	0.69	2 956.5	1984	1985	
1.70	0.100	0.75	26 300	96	0.913	0.69	2 940.7	1984	1985	
1.60	0.162	0.85	26 300	96	0.913	0.69	2 845.9	1982	1985	
1.80	0.100	0.80	26 100	89	0.902	0.69	3 063.9	1983	1987	
3.20	0.110	0.80	26 100	90	0.903	0.69	3 086.9	1983	1987	
1.00	0.095	0.80	26 100	87	0.899	0.69	2 903.0	1981	1987	
2.00	0.095	0.75	26 100	88	0.901	0.69	2 922.6	1981	1987	
1.00	0.100	0.85	26 100	89	0.902	0.69	2 931.0	1981	1987	
2.00	0.120	0.90	23 600	90	0.888	0.69	2 998.5	1984	1987	
								1970	1987	PANALTA PROGAS TCPL
8.02	0.150	0.70	29 370	86	0.911	0.75	2 881.3	1958	1986	A&S PRODUCTION DECLINE
26.10	0.110	0.85	19 760	93	0.871	0.67	2 958.8	1981	1987	A&S PRODUCTION DECLINE
2.91	0.126	0.80	24 200	92	0.893	0.69	2 886.8	1980	1985	
2.00	0.110	0.80	24 200	91	0.891	0.69	2 910.1	1980	1985	
0.40	0.108	0.80	24 200	92	0.893	0.69	2 888.0	1980	1985	
1.30	0.082	0.75	24 500	86	0.886	0.69	2 872.3	1980	1985	
								1980	1985	A&S PROGAS TCPL
1.86	0.126	0.80	23 410	89	0.895	0.67	2 799.0	1979	1985	
4.20	0.100	0.60	24 230	90	0.902	0.67	2 858.2	1979	1985	
1.17	0.103	0.85	23 000	89	0.892	0.67	2 800.6	1962	1985	
1.35	0.097	0.85	23 000	89	0.892	0.67	2 806.6	1980	1985	
								1962	1985	
2.03	0.117	0.80	27 420	87	0.906	0.71	2 690.2	1957	1986	
0.90	0.128	0.85	27 860	85	0.912	0.70	2 646.6	1964	1987	
1.63	0.119	0.80	27 850	87	0.904	0.73	2 810.6	1960	1985	
0.70	0.094	0.75	30 530	91	0.934	0.73	2 773.3	1981	1985	
0.90	0.138	0.85	27 450	84	0.914	0.67	2 650.8	1980	1984	
0.80	0.090	0.80	29 330	89	0.921	0.73	2 774.0	1981	1985	
1.80	0.100	0.75	28 000	92	0.904	0.76	2 837.4	1981	1985	
1.00	0.100	0.80	29 330	89	0.921	0.73	2 792.2	1981	1985	
1.65	0.120	0.85	30 940	69	0.914	0.75	2 688.2	1973	1986	
0.90	0.130	0.75	27 550	72	0.869	0.76	2 694.3	1957	1987	GPP
0.78	0.107	0.85	27 700	84	0.909	0.70	2 639.0	1980	1987	A&S TCPL
1.42	0.117	0.85	23 840	80	0.848	0.74	2 674.3	1981	1987	PANALTA A&S TCPL
0.80	0.110	0.85	28 300	89	0.908	0.74	2 664.1	1982	1987	
0.60	0.110	0.80	30 530	75	0.928	0.69	2 814.8	1960	1985	A&S
0.45	0.093	0.80	24 810	75	0.867	0.71	2 782.9	1981	1985	A&S
								1960	1987	A&S TCPL
2.50	0.106	0.85	38 770	91	1.037	0.73	3 118.0	1983	1986	
1.45	0.101	0.75	38 770	93	1.042	0.68	3 135.0	1982	1985	
1.50	0.129	0.80	38 770	98	1.040	0.70	3 181.6	1985	1987	
								1983	1987	
1.00	0.126	0.90	25 770	91	0.888	0.75	2 869.1	1980	1987	
4.35	0.104	0.80	24 540	90	0.895	0.68	2 856.2	1978	1986	
2.00	0.102	0.70	22 600	88	0.880	0.70	2 925.0	1980	1986	
4.00	0.140	0.85	22 600	91	0.885	0.70	2 943.0	1980	1983	
1.03	0.100	0.70	22 470	94	0.873	0.73	2 954.6	1979	1983	
0.74	0.077	0.65	26 000	77	0.881	0.71	2 908.7	1981	1983	
1.40	0.075	0.65	22 200	92	0.868	0.73	2 936.5	1979	1983	
1.16	0.095	0.70	26 750	78	0.890	0.71	2 915.5	1981	1982	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE LL	28	0.75	0.10	19			40		200
OSTRACOD A	347	0.85	0.10	266			39		887
GLAUCONITIC F	337	0.75	0.10	228			40		1 064
BASAL MANNVILLE Y2Y	21	0.75	0.10	14			40		150
BASAL MANN & OST MU TOTAL	7 280	0.65	0.10	4 135	459	3 676	40	148 180	
ELKTON A	671	0.85	0.20	456	325	131	42	5 437	400
ELKTON N	626	0.85	0.15	452	43	409	44	17 992	150
BEAVERHILL LAKE A	46 592	c	c	16 000		16 000	43	680 960	8 703
OTHER	14 661			6 125	634	5 491		220 833	
TOTAL-CAROLINE	95 142			41 938	6 865	35 073		1 451 532	
CARROT CREEK 052-12W5									
LOWER MANNVILLE G	833	0.85	0.15	602			41		1 148
LOWER MANNVILLE L	261	0.85	0.20	178			41		511
LOWER MANNVILLE O	122	0.75	0.15	78			41		300
LOWER MANNVILLE G,L&O TOTAL	1 216	0.85	0.15	858	129	729	41	29 641	
LOWER MANNVILLE Q	303	0.85	0.15	219			40		128
JURASSIC T	161	0.80	0.10	116			41		294
L MANN Q & JUR T TOTAL	464	0.85	0.15	335	159	176	41	7 172	
OTHER	5 136			3 162	416	2 746		110 020	
TOTAL-CARROT CREEK	6 816			4 355	704	3 651		146 833	
CARSON CREEK 061-12W5									
BEAVERHILL LAKE B	10 941	c	c	8 030	4 985	3 045	42[a]	126 824	8 341
TOTAL-CARSON CREEK	10 941			8 030	4 985	3 045		126 824	
CARSON CREEK NORTH 062-12W5									
BEAVERHILL LAKE A ASSOC	637	0.85	0.15	460[b]			42		1 155
BEAVERHILL LAKE B ASSOC	182	0.75	0.15	116[b]			42		286
BEAVERHILL LAKE A & B SOLN	15 815	0.48	0.15	6 452[b]			42		
BEAVERHILL LAKE A&B TOTAL	16 634	0.50	0.15	7 028[b]	4 884[b]	2 144	42	89 362	
TOTAL-CARSON CREEK NORTH	16 634			7 028	4 884	2 144		89 362	
CARSTAIRS 030-02W5									
ELKTON A	29 877	c	c	21 700	20 892	808	40[a]	32 449	7 186
OTHER	1 242			835	42	793		31 549	
TOTAL-CARSTAIRS	31 119			22 535	20 934	1 601		63 998	
CARVEL 053-02W5									
TOTAL-CARVEL	448			301		301		11 336	
CASLAN 065-17W4									
NISKU A	621	0.75	0.05	443	136	307	37	11 485	1 955
OTHER	614			379	100	279		10 503	
TOTAL-CASLAN	1 235			822	236	586		21 988	
CASSILS 019-15W4									
MILK RIVER A	2 481	0.70	0.05	1 650			36		9 504
MEDICINE HAT A	1 237	0.70	0.03	840			36		8 311
MEDICINE HAT C	206	0.50	0.03	100			36		4 462
MEDICINE HAT D	28	0.50	0.03	14			36		1 092
SE ALTA GAS SYS (MU) TOTAL	3 952	0.70	0.05	2 604	371	2 233	36	81 415	
OTHER	53			38	1	37		1 384	
TOTAL-CASSILS	4 005			2 642	372	2 270		82 799	
CAVALIER 024-23W4									
TOTAL-CAVALIER	109			64		64		2 434	
CAW (SA) 061-06W6									
TOTAL-CAW	76			50		50		2 112	
CECIL 084-08W6									
TOTAL-CECIL	455			331	24	307		12 028	
CECILIA 057-22W5									
TOTAL-CECILIA	283			203		203		8 114	
CENTRON (SA) 023-26W4									
TOTAL-CENTRON	17			9		9		330	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.22	0.077	0.80	19 800	78	0.850	0.69	2 981.1	1980	1983	
2.63	0.094	0.80	22 800	93	0.895	0.68	2 982.5	1980	1982	
1.70	0.092	0.85	26 900	90	0.926	0.64	2 768.3	1982	1987	
1.20	0.081	0.65	22 920	77	0.856	0.71	2 869.2	1984	1987	
								1978	1987	A&S PROGAS TCPL
9.87	0.099	0.80	23 740	93	0.859	0.81	2 830.9	1959	1984	A&S
22.20	0.100	0.85	23 520	79	0.859	0.74	2 651.0	1985	1986	
18.68	0.103	0.90	36 650	102	0.899	1.17	3 717.0	1986	1987	
5.02	0.119	0.70	17 660	81	0.818	0.75	2 135.5	1976	1986	
2.86	0.115	0.75	17 900	65	0.728	0.85	2 180.2	1976	1982	
2.40	0.137	0.65	17 520	64	0.780	0.75	2 150.2	1979	1986	
								1976	1986	TCPL
9.97	0.130	0.75	23 100	62	0.805	0.79	2 060.1	1979	1986	
2.62	0.124	0.70	23 100	63	0.814	0.74	2 090.6	1979	1982	
								1979	1986	PANALTA PROGAS
7.80	0.077	0.80	26 130	93	0.850	0.92	2 627.4	1957	1986	A&S TCPL GAS CYCLING
3.13	0.089	0.85	25 750	85	0.878	0.74	2 641.5	1958	1987	A&S PROGAS
3.00	0.102	0.90	25 920	88	0.884	0.74	2 651.8	1958	1987	A&S PROGAS
						0.74		1958	1987	
								1958	1987	CONCURRENT PRODUCTION
17.48	0.121	0.90	22 820	80	0.865	0.73	2 461.1	1958	1987	TCPL GAS CYCLING
9.10	0.165	0.65	3 150	20	0.939	0.58	586.2	1976	1982	PANALTA
10.32	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
3.45	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
1.17	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1982	PART OF MED HAT POOL NO.3
0.65	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1987	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CEREAL 026-07W4									
TOTAL-CEREAL	136			87		87		3 217	
CESSFORD 025-13W4									
MILK RIVER A	4 180	0.70	0.05	2 780			36		81 234
MEDICINE HAT A	10 677	0.70	0.03	7 250			36		128 237
MEDICINE HAT C	420	0.50	0.03	204			36		14 785
MEDICINE HAT D	1 082	0.50	0.03	525			36		34 275
SECOND WHITE SPECKS A	576	0.75	0.05	410			36		8 868
SE ALTA GAS SYS(MU) TOTAL	16 935	0.70	0.05	11 169	1 289	9 880	36	360 225	
BASAL COLORADO A ASSOC		0.88	0.04				40		41 326
BASAL COLORADO A SOLN	544	0.47	0.20	205[b]			40		
BASAL COLORADO A ASSOC		0.88	0.04				40		580
BASAL COLORADO A ASSOC		0.88	0.04				40		93
BASAL COLORADO A TOTAL	20 194	0.85	0.05	16 805[b]	16 600[b]	205	40	8 180	
BASAL COLORADO O	1 050	0.80	0.10	756	679	77	39	3 037	4 000
BASAL COLORADO E	1 516	0.85	0.10	1 160			40		3 595
MANNVILLE N	114	0.85	0.04	93			40		440
MANNVILLE O	202	0.75	0.05	144			40		200
BSL COLO E & MANN N&O TOTAL	1 832	0.85	0.10	1 397	1 392	5	40	199	
MANNVILLE I ASSOC	433	0.75	0.04	312	99	213	39	8 292	377
MANNVILLE C ASSOC	1 934	0.85	0.10	1 480[b]			44		2 897
MANNVILLE C SOLN	1 408	0.65	0.20	732[b]			44		
MANNVILLE C ASSOC	15	0.75	0.10	10[b]			44		64
MANNVILLE C ASSOC	35	0.75	0.10	23[b]			44		192
MANNVILLE C TOTAL	3 392	0.75	0.15	2 245[b]	1 572[b]	673	44	29 699	
MANNVILLE G	1 314	0.70	0.04	883	838	45	40	1 778	1 709
MANNVILLE H	1 805	0.75	0.04	1 300	1 220	80	38	3 047	2 836
MANNVILLE J	631	0.72	0.04	436	436	< 1	40	-	1 971
MANNVILLE P	555	0.90	0.04	480	405	75	41	3 103	440
MANNVILLE V	973	0.90	0.04	841	759	82	40	3 239	365
MANNVILLE Y ASSOC		0.85	0.10				41		516
MANNVILLE Z ASSOC		0.85	0.10				41		214
MANNVILLE Y&Z SOLN	241	0.65	0.30	110[b]			39		
MANNVILLE Y & Z TOTAL	594	0.75	0.15	380[b]	322[b]	58	40	2 329	
MANNVILLE L		0.75	0.05				41		498
MANNVILLE CC		0.75	0.05				38		2 484
MANNVILLE L & CC TOTAL	609	0.75	0.05	434	356	78	40	3 082	
GLAUCONITIC 31-023-13	411	0.80	0.05	313		313	38	11 881	150
GLAUCONITIC T	345	0.80	0.10	248			39		2 038
MANNVILLE HH ASSOC	1 075	0.80	0.10	774			38		2 447
GLAUC T & MANN HH TOTAL	1 420	0.80	0.10	1 022	140	882	38	33 560	
BANFF B ASSOC	385	0.85	0.10	294[b]			39		1 615
BANFF B ASSOC	2	0.75	0.10	2[b]			39		25
BANFF B ASSOC	6	0.75	0.10	5[b]			39		72
BANFF B SOLN	313	0.65	0.12	179[b]			39		
BANFF B TOTAL	706	0.75	0.10	480[b]	132[b]	348	39	13 638	
OTHER	10 430			6 852	2 475	4 377		169 966	
TOTAL-CESSFORD	63 284			46 105	28 714	17 391		655 255	
CHAIN 033-17W4									
TOTAL-CHAIN	1 355			864	141	723		28 618	
CHAMBERLAIN 052-23W4									
TOTAL-CHAMBERLAIN	8			5		5		191	
CHAMBERS 041-10W5									
ELKTON 05-041-11	457	0.85	0.15	330		330	40	13 220	200
OTHER	1 348			937		937		37 863	
TOTAL-CHAMBERS	1 805			1 267		1 267		51 083	
CHANDLER 059-02W4									
TOTAL-CHANDLER	294			171	62	109		3 992	
CHARD 079-06W4									
WABISKAW B	57	0.50	0.05	28			37		2 772
WABISKAW D	19	0.50	0.05	10			38		1 151
MCMURRAY B	3 873	0.75	0.05	2 760			37		20 975
MCMURRAY E	205	0.50	0.05	98			37		4 046
MCMURRAY F	5	0.60	0.05	3			37		150

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.48	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.93	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.72	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1986	PART OF MED HAT POOL NO.3
0.80	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.84	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1982	PART OF 2WS POOL NO.1
								1904	1987	CNG KANNGAZ PANALTA PROGAS TCPL
3.45	0.265	0.60	8 810	27	0.822	0.62	872.8	1951	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.62		1951	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
1.94	0.265	0.60	8 810	27	0.822	0.62	917.6	1951	1986	MATERIAL BALANCE
1.75	0.265	0.60	8 810	27	0.822	0.62	918.4	1951	1986	MATERIAL BALANCE
								1951	1987	PANALTA TCPL CONCURRENT PRODUCTION
2.47	0.241	0.55	7 600	28	0.837	0.65	923.0	1951	1986	TCPL MATERIAL BALANCE
2.32	0.215	0.50	8 680	27	0.820	0.63	899.2	1950	1983	MATERIAL BALANCE
3.08	0.212	0.50	9 760	33	0.813	0.66	1 012.9	1951	1977	MATERIAL BALANCE
6.17	0.233	0.60	8 720	33	0.828	0.66	973.2	1953	1976	MATERIAL BALANCE
								1950	1983	TCPL
2.49	0.218	0.70	9 740	33	0.838	0.59	1 019.9	1951	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.33	0.240	0.70	9 720	33	0.757	0.71	1 014.6	1951	1986	CONCURRENT PRODUCTION
						0.71		1951	1986	CONCURRENT PRODUCTION
1.23	0.230	0.70	9 720	33	0.757	0.71	1 023.5	1951	1982	
0.92	0.240	0.70	9 720	33	0.757	0.71	1 025.4	1951	1981	
						0.72		1951	1986	TCPL CONCURRENT PRODUCTION
4.02	0.210	0.50	9 760	33	0.813	0.66	1 036.1	1950	1986	TCPL MATERIAL BALANCE
4.30	0.254	0.55	9 930	27	0.828	0.60	933.3	1958	1987	TCPL PRODUCTION DECLINE
2.90	0.232	0.55	10 580	33	0.803	0.66	1 037.0	1958	1985	
4.26	0.260	0.70	9 620	35	0.811	0.65	1 107.7	1964	1986	TCPL MATERIAL BALANCE
2.81	0.160	0.45	9 760	38	0.825	0.66	1 158.2	1959	1973	KANNGAZ TCPL MATERIAL BALANCE
2.01	0.202	0.65	9 710	32	0.809	0.64	999.6	1951	1987	PRODUCTION DECLINE
0.56	0.236	0.65	9 680	29	0.801	0.64	991.3	1951	1983	PRODUCTION DECLINE
						0.59		1951	1985	
								1951	1985	TCPL CONCURRENT PRODUCTION
3.03	0.023	0.50	9 650	35	0.792	0.70	1 107.6	1962	1985	MATERIAL BALANCE
2.04	0.170	0.50	9 450	35	0.850	0.59	1 087.1	1962	1980	MATERIAL BALANCE
								1962	1980	TCPL
16.50	0.220	0.70	9 640	33	0.830	0.62	970.0	1986	1987	
1.64	0.177	0.55	9 670	40	0.828	0.64	1 282.0	1966	1984	PART OF GLAUC POOL NO.4
4.77	0.152	0.55	9 830	38	0.816	0.68	1 229.9	1972	1987	PART OF GLAUC POOL NO.4
						0.65		1966	1987	TCPL PART OF GLAUC POOL NO.4 GAS PRODUCED BEFORE OIL DISCOVERED
2.53	0.151	0.50	10 900	38	0.799	0.65	1 195.0	1973	1985	
0.73	0.151	0.50	10 900	38	0.799	0.65	1 269.7	1973	1984	
0.94	0.151	0.50	10 900	38	0.799	0.65	1 287.3	1973	1985	CONCURRENT PRODUCTION
						0.65		1973	1985	CONCURRENT PRODUCTION
								1973	1985	TCPL CONCURRENT PRODUCTION
14.87	0.080	0.85	29 790	110	0.978	0.66	3 398.8	1973	1974	TCPL
0.83	0.246	0.55	1 790	15	0.963	0.55	200.5	1979	1986	
0.65	0.272	0.50	1 740	7	0.960	0.55	270.3	1978	1986	
4.78	0.292	0.75	1 730	16	0.965	0.55	247.0	1957	1986	
1.47	0.303	0.65	1 730	18	0.965	0.55	222.3	1979	1986	
1.30	0.300	0.55	1 580	16	0.968	0.55	202.9	1985	1986	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CHARD 079-06W4 (CONTINUED)									
MCMUURAY G	11	0.60	0.05	7			37		150
MCMURRAY H	5	0.60	0.05	3			37		150
MCMURRAY D	64	0.50	0.05	30			37		200
WBSK & MCM MU1 TOTAL	4 239	0.75	0.05	2 939	671	2 268	37	84 732	
OTHER	295			156		156		5 803	
TOTAL-CHARD	4 534			3 095	671	2 424		90 535	
CHARLIE 089-05W6									
TOTAL-CHARLIE	406			267		267		9 927	
CHARLOTTE LAKE 060-04W4									
COLONY G	950	0.65	0.05	587	335	252	38	9 606	4 689
OTHER	671			393	215	178		6 714	
TOTAL-CHARLOTTE LAKE	1 621			980	550	430		16 320	
CHARM 103-09W6									
TOTAL-CHARM	57			38		38		1 406	
CHARRON 069-16W4									
GROSMONT A	877	0.60	0.05	500	366	134	37	4 945	5 142
OTHER	1 681			993	249	744		27 654	
TOTAL-CHARRON	2 558			1 493	615	878		32 599	
CHAUVIN 043-01W4									
TOTAL-CHAUVIN	655			433	4	429		14 907	
CHAUVIN SOUTH 042-02W4									
TOTAL-CHAUVIN SOUTH	2 247			1 469	319	1 150		40 872	
CHEDDERVILLE 037-07W5									
LEDUC A	2 078	0.60	0.15	1 060	499	561	39	21 800	1 482
TOTAL-CHEDDERVILLE	2 078			1 060	499	561		21 800	
CHERHILL 056-05W5									
BANFF F SOLN	635	0.65	0.20	330	13	317	40	12 680	
BANFF A SOLN	1 008	0.40	0.75	101[b]			40		
BANFF A ASSOC	353	0.85	0.10	270[b]	13[b]	358	40	14 231	429
OTHER	3 016			1 937	298	1 639		65 134	
TOTAL-CHERHILL	5 012			2 638	324	2 314		92 045	
CHERPETA 074-19W4									
TOTAL-CHERPETA	920			513		513		18 956	
CHERRY (SA) 009-13W4									
TOTAL-CHERRY	57			41		41		1 375	
CHICKADEE 062-16W5									
GETHING D ASSOC	1 134	0.80	0.10	816		816	39	32 028	2 121
GETHING A	1 262	0.75	0.10	852	145	707	39	27 255	2 442
GETHING G	436	0.80	0.10	314	17	297	40	11 841	850
OTHER	980			648	61	587		23 117	
TOTAL-CHICKADEE	3 812			2 630	223	2 407		94 241	
CHICKEN 061-07W6									
TOTAL-CHICKEN	511			345	8	337		13 821	
CHIGWELL 041-24W4									
MANNVILLE A	790	0.80	0.10	569	569	< 1	39	-	694
MANNVILLE J	1 117	0.75	0.10	754	69	685	39	26 756	992
OTHER	4 479			2 807	291	2 516		99 617	
TOTAL-CHIGWELL	6 386			4 130	929	3 201		126 373	
CHIGWELL NORTH 042-24W4									
TOTAL-CHIGWELL NORTH	123			79		79		3 150	
CHIME (SA) 061-05W6									
TOTAL-CHIME	1 290			900		900		35 988	
CHIN COULEE 007-14W4									
TOTAL-CHIN COULEE	83			46	8	38		1 223	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.20	0.340	0.60	1 630	16	0.967	0.55	202.3	1985	1986	
1.60	0.300	0.45	1 640	16	0.966	0.55	209.2	1985	1986	
3.80	0.260	0.75	1 730	17	0.965	0.55	293.9	1983	1986	PRODUCTION DECLINE
								1957	1986	PANALTA PROGAS SOQUIP TCPL
1.93	0.299	0.70	2 430	12	0.945	0.57	333.9	1967	1987	MATERIAL BALANCE
7.57	0.141	0.75	2 620	23	0.951	0.57	463.6	1974	1986	PRODUCTION DECLINE
11.47	0.063	0.90	30 430	134	0.986	0.71	3 555.0	1967	1987	PANALTA
						0.68		1981	1987	
						0.71		1966	1987	CWNGNUL CONCURRENT PRODUCTION
5.03	0.184	0.70	10 910	41	0.777	0.71	1 300.8	1966	1987	CWNGNUL CONCURRENT PRODUCTION
4.59	0.147	0.60	14 000	76	0.864	0.64	1 856.7	1980	1987	PROGAS CONCURRENT PRODUCTION
4.97	0.140	0.55	14 110	73	0.859	0.66	1 863.8	1978	1987	PANALTA PROGAS
4.56	0.134	0.55	14 420	58	0.811	0.67	1 900.4	1977	1987	PANALTA PROGAS
7.38	0.170	0.65	11 530	64	0.834	0.70	1 571.2	1952	1985	
7.48	0.159	0.75	11 930	56	0.817	0.69	1 568.9	1977	1983	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
CHINCHAGA 097-06W6									
SLAVE POINT A	1 389	0.80	0.10	1 000	114	886	38	33 890	1 638
OTHER	264			182		182		7 213	
TOTAL-CHINCHAGA	1 653			1 182	114	1 068		41 103	
CHINCHAGA NORTH 098-07W6									
DEBOLT-DETRITAL A	800	0.80	0.05	608	320	288	38	10 832	2 622
OTHER	226			154		154		5 765	
TOTAL-CHINCHAGA NORTH	1 026			762	320	442		16 597	
CHINOOK 029-08W4									
BELLY RIVER A	367	0.87	0.05	303	287	16	37	591	4 403
OTHER	430			278	36	242		9 137	
TOTAL-CHINOOK	797			581	323	258		9 728	
CHINOOK RIDGE (SA) 065-13W6									
CADOTTE 12-065-13	841	0.90	0.10	681		681	41	28 064	440
NOTIKEWIN 12-065-13	516	0.90	0.10	418		418	39	16 335	200
U BELLOY 11-065-13	749	0.80	0.25	449		449	37	16 609	200
OTHER	319			230		230		9 478	
TOTAL-CHINOOK RIDGE	2 425			1 778		1 778		70 486	
CHIP LAKE 053-10W5									
LOWER MANNVILLE A	422	0.90	0.10	342	312	30	40	1 203	567
OTHER	117			65		65		3 167	
TOTAL-CHIP LAKE	539			407	312	95		4 370	
CHIPMUNK (SA) 082-13W5									
TOTAL-CHIPMUNK	25			18		18		660	
CHISHOLM 068-01W5									
TOTAL-CHISHOLM	922			599	216	383		14 322	
CINDY 077-01W6									
TOTAL-CINDY	89			64	55	9		352	
CLAIR 073-05W6									
TOTAL-CLAIR	49			30		30		1 235	
CLARESHOLM 013-26W4									
TOTAL-CLARESHOLM	1 144			763	110	653		25 730	
CLAY 059-14W4									
VIKING A	1 138	0.80	0.05	865	1	864	37	31 908	19 603
OTHER	1 049			718	337	381		14 181	
TOTAL-CLAY	2 187			1 583	338	1 245		46 089	
CLAYHURST 083-05W6									
TOTAL-CLAYHURST	14			8		8		317	
CLEAR HILLS (SA) 088-11W6									
TOTAL-CLEAR HILLS	203			131		131		5 107	
CLEAR PRAIRIE 091-12W6									
TOTAL-CLEAR PRAIRIE	329			212		212		8 205	
CLEARWATER (SA) 035-12W5									
TURNER VALLEY 32-035-12	677	0.75	0.15	432		432	40	17 120	200
TOTAL-CLEARWATER	677			432		432		17 120	
CLIFFDALE (SA) 084-17W5									
TOTAL-CLIFFDALE	34			19		19		753	
CLIVE 040-24W4									
D-2 A POOL 1 ASSOC	158	0.85	0.15	114[b]			35		293
D-2 A POOL 1 SOLN	1 128	0.48	0.40	325[b]			35		
D-2 A POOL 2 ASSOC	76	0.85	0.25	49[b]			44		259
D-2 A POOL 3 ASSOC	935	0.85	0.35	517[b]			43		1 371
D-2 A POOL 4 ASSOC	3	0.85	0.25	2[b]			38		16
D-2 A TOTAL	2 300	0.65	0.35	1 007[b]	441[b]	566	39	22 221	
D-3 A ASSOC	165	0.85	0.30	98			42		420
D-3 A SOLN	2 077	0.66	0.35	891			42		
D-3 A POOL 2 ASSOC	378	0.85	0.30	225			42		516

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
7.20	0.081	0.60	20 600	93	0.842	0.83	2 149.7	1973	1984	PANALTA MATERIAL BALANCE
3.78	0.204	0.65	5 770	28	0.896	0.58	691.7	1978	1986	PROGAS PANALTA
2.87	0.346	0.65	1 670	18	0.967	0.56	244.2	1972	1987	CWNGNUL MATERIAL BALANCE
7.09	0.200	0.70	22 750	98	0.906	0.67	2 807.1	1956	1981	BER
9.87	0.200	0.70	23 440	112	0.927	0.67	2 881.6	1956	1981	BER
19.80	0.120	0.65	37 510	150	1.040	0.69	4 303.0	1979	1983	BER
2.34	0.140	0.80	21 370	69	0.827	0.72	1 879.7	1950	1985	TCPL MATERIAL BALANCE
1.03	0.253	0.50	4 180	18	0.917	0.57	454.4	1949	1982	MIP PANALTA PART OF VIK POOL NO.6
28.02	0.065	0.85	28 840	111	0.977	0.64	4 156.5	1980	1981	BER
5.79	0.065	0.85	17 100	67	0.847	0.75	1 850.7	1951	1986	CONING GAS CAP
						0.75		1951	1986	CONING GAS CAP
2.66	0.063	0.85	17 090	67	0.693	0.90	1 834.0	1951	1984	
6.20	0.062	0.85	17 070	67	0.684	0.89	1 850.2	1951	1986	
2.13	0.063	0.85	17 060	57	0.772	0.83	1 883.7	1951	1984	
								1951	1986	TCPL PANALTA CONING GAS CAP
4.10	0.056	0.85	17 570	67	0.728	0.83	1 879.2	1952	1986	
						0.83		1952	1986	
7.62	0.056	0.85	17 600	67	0.728	0.83	1 912.6	1952	1986	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
CLIVE 040-24W4 (CONTINUED)									
D-3 A POOL 3 ASSOC	381	0.85	0.30	227			40		451
D-3 A POOL 4 ASSOC	102	0.85	0.30	61			42		314
D-3 A TOTAL	3 103	0.70	0.35	1 502	650	852	42	35 605	
OTHER	2 470			1 623	225	1 398		53 113	
TOTAL-CLIVE	7 873			4 132	1 316	2 816		110 939	
CLOUSTON (SA) 071-24W5									
TOTAL-CLOUSTON	62			42		42		1 641	
CLOVER 061-17W5									
TOTAL-CLOVER	241			166	35	131		5 149	
CLYDE LAKE 073-10W4									
TOTAL-CLYDE LAKE	60			36		36		1 343	
CLYDEN 075-13W4									
TOTAL-CLYDEN	334			206		206		7 628	
COALDALE 008-20W4									
TOTAL-COALDALE	600			334	228	106		3 730	
CODDIN (SA) 088-19W5									
TOTAL-CODDIN	7			5		5		183	
COLD LAKE 063-02W4									
COLONY A	545	0.80	0.05	414	362	52	37	1 914	710
COLONY D	529	0.80	0.05	402	205	197	37	7 326	945
OTHER	388			220	89	131		4 772	
TOTAL-COLD LAKE	1 462			1 036	656	380		14 012	
COLEMAN 009-04W5									
RUNDLE A	4 717	0.75	0.35	2 300			37		1 274
PALLISER B	3 428	0.75	0.30	1 800			37		630
RUNDLE A & PALLISER B TOTAL	8 145	0.75	0.35	4 100	1 810	2 290	37	85 051	
TOTAL-COLEMAN	8 145			4 100	1 810	2 290		85 051	
COLINTON 064-20W4									
TOTAL-COLINTON	389			246	40	206		7 752	
COLORADO 090-04W6									
TOTAL-COLORADO	279			159	28	131		4 899	
COLT 058-24W5									
TOTAL-COLT	539			382	3	379		15 091	
COLUMBIA 046-16W5									
TOTAL-COLUMBIA	1 340			767	267	500		19 550	
COMPEER 033-02W4									
UPPER MANNVILLE A	376	0.85	0.05	304	64	240	38	9 053	944
OTHER	333			244	165	79		3 127	
TOTAL-COMPEER	709			548	229	319		12 180	
COMREY 001-07W4									
BOW ISLAND	734	0.80	0.05	558	543	15	37	561	2 447
OTHER	532			359	137	222		8 308	
TOTAL-COMREY	1 266			917	680	237		8 869	
CONKLIN (SA) 075-07W4									
TOTAL-CONKLIN	55			31		31		1 150	
CONNEMARA 016-27W4									
RUNDLE 04-016-27	498	0.90	0.15	381		381	39	14 844	200
OTHER	57			26		26		968	
TOTAL-CONNEMARA	555			407		407		15 812	
CONNORSVILLE 025-15W4									
MILK RIVER A	1 017	0.70	0.05	676			36		16 500
MEDICINE HAT A	2 827	0.70	0.03	1 920			36		25 598
SE ALTA GAS SYS(MU) TOTAL	3 844	0.70	0.05	2 596	75	2 521	36	91 916	
VIKING A	527	0.60	0.05	300	144	156	39	6 034	2 506

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
8.16	0.056	0.85	17 570	57	0.697	0.90	1 881.5	1952	1986	
3.39	0.056	0.85	17 550	67	0.728	0.83	1 874.0	1952	1986	
								1952	1986	PANALTA TCPL
1.60	0.310	0.70	2 300	20	0.955	0.57	269.1	1952	1983	LDC U MATERIAL BALANCE
2.27	0.310	0.70	2 300	18	0.954	0.56	270.1	1952	1980	LDC U MATERIAL BALANCE
27.86	0.050	0.80	31 600	67	0.851	0.76	3 043.4	1969	1986	MATERIAL BALANCE
41.70	0.050	0.80	33 700	102	0.958	0.70	3 605.0	1969	1984	MATERIAL BALANCE
								1969	1984	A&S
3.01	0.271	0.65	6 890	26	0.873	0.59	865.8	1956	1987	MIP
5.86	0.250	0.50	5 340	27	0.902	0.59	755.3	1952	1987	CMG PRODUCTION DECLINE
12.19	0.120	0.85	20 820	68	0.867	0.71	2 288.1	1956	1979	PROGAS
2.44	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.56	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	CWNGNUL CNG KANNGAZ PROGAS TCPL PANALTA
2.23	0.210	0.65	7 570	36	0.872	0.60	926.3	1956	1980	TCPL PANALTA MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CONNORSVILLE 025-15W4 (CONTINUED)									
GLAUCONITIC A	303	0.85	0.10	232			41		440
GLAUCONITIC B	31	0.75	0.05	22			39		128
GLAUCONITIC C	236	0.75	0.05	168			40		738
GLAUCONITIC E	275	0.75	0.10	185			41		200
ELLERSLIE A	3 625	0.80	0.10	2 610			41		9 762
GLAUC ABCE & ELRSL A TOTAL	4 470	0.80	0.10	3 217	1 378	1 839	41	75 914	
OTHER	1 079			746	143	603		23 734	
TOTAL-CONNORSVILLE	9 920			6 859	1 740	5 119		197 598	
COOKING LAKE 052-22W4									
TOTAL-COOKING LAKE	188			121	9	112		4 055	
CORAL 046-05W5									
TOTAL-CORAL	190			126		126		4 831	
CORBETT 061-07W5									
VIKING A	551	0.90	0.05	471	433	38	40	1 530	1 662
OTHER	399			262	13	249		9 902	
TOTAL-CORBETT	950			733	446	287		11 432	
CORDEL 042-16W5									
TURNER VALLEY 2042-16	1 412	0.50	0.15	601		601	39	23 589	400
TURNER VALLEY 1042-16	1 101	0.50	0.15	469		469	39	18 408	600
TOTAL-CORDEL	2 513			1 070		1 070		41 997	
CORNER 080-09W4									
TOTAL-CORNER	6			3		3		113	
CORNWALL 070-26W5									
TOTAL-CORNWALL	241			171		171		6 512	
CORRIN 061-13W4									
VIKING A	1 149	0.85	0.05	928		928	37	34 011	8 712
OTHER	737			473	47	426		15 824	
TOTAL-CORRIN	1 886			1 401	47	1 354		49 835	
COSWAY 030-26W4									
TOTAL-COSWAY	213			144	23	121		4 984	
COUNTESS 020-16W4									
MILK RIVER A	8 857	0.70	0.05	5 890			36		77 352
MEDICINE HAT A	11 193	0.70	0.03	7 600			36		105 044
MEDICINE HAT C	194	0.50	0.03	94			36		6 391
MEDICINE HAT D	94	0.50	0.03	46			36		3 058
SECOND WHITE SPECKS A	705	0.80	0.05	536			36		5 363
SE ALTA GAS SYS (MU) TOTAL	21 043	0.70	0.05	14 166	837	13 329	36	485 975	
BOW ISLAND A	1 511	0.85	0.05	1 220	504	716	38	27 065	8 721
BASAL COLORADO A	5 170	0.91	0.05	4 470	4 278	192	37	7 085	14 468
UPPER MANNVILLE D SOLN	581	0.44	0.25	192[b]			37		
UPPER MANNVILLE D ASSOC	364	0.75	0.10	246[b]	406[b]	32	37	1 192	440
UPPER MANNVILLE S	460	0.80	0.05	350	272	78	41	3 173	665
UPPER MANNVILLE EE	712	0.80	0.10	513			38		2 121
UPPER MANNVILLE LL	70	0.75	0.10	48			39		150
U MANNVILLE EE & LL TOTAL	782	0.80	0.10	561	264	297	38	11 420	
OTHER	7 018			4 312	1 661	2 651		102 588	
TOTAL-COUNTESS	36 929			25 517	8 222	17 295		638 498	
COUTTS 001-16W4									
TOTAL-COUTTS	158			102		102		3 932	
COWLICK (SA) 058-06W6									
TOTAL-COWLICK	165			115		115		4 390	
COYOTE 028-15W4									
TOTAL-COYOTE	572			386	138	248		10 080	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.17	0.170	0.60	9 260	29	0.796	0.66	1 064.7	1963	1982	PART OF ELRSL POOL NO.1
2.70	0.200	0.45	9 310	40	0.850	0.61	1 102.5	1964	1984	PART OF ELRSL POOL NO.1
1.85	0.250	0.65	9 340	29	0.826	0.61	1 073.8	1975	1976	PART OF ELRSL POOL NO.1
11.30	0.190	0.60	9 690	42	0.821	0.66	1 069.7	1976	1982	PART OF ELRSL POOL NO.1
3.68	0.179	0.50	9 720	35	0.796	0.67	1 115.1	1963	1987	PART OF ELRSL POOL NO.1
								1963	1987	KANNGAZ PANALTA PROGAS TCPL PART OF ELRSL POOL NO.1
2.06	0.200	0.55	8 270	44	0.856	0.64	1 024.2	1971	1982	TCPL MATERIAL BALANCE
12.15	0.085	0.80	29 290	106	0.977	0.63	3 672.2	1979	1985	TCPL BER
10.14	0.053	0.80	29 660	97	0.970	0.63	3 545.9	1979	1984	TCPL BER
1.86	0.280	0.60	4 030	21	0.924	0.57	399.0	1949	1982	CNG PANALTA TCPL PART OF VIK POOL NO.6
4.52	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.47	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.77	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.78	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.70	0.216	0.60	5 690	27	0.904	0.56	737.9	1939	1987	PART OF 2WS POOL NO.1
								1904	1985	PANALTA PROGAS TCPL
1.78	0.229	0.55	7 310	33	0.879	0.59	889.1	1951	1983	TCPL
1.19	0.182	0.70	8 470	37	0.868	0.60	1 062.4	1951	1980	TCPL MATERIAL BALANCE
						0.63		1967	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.60	0.268	0.65	11 000	35	0.819	0.63	1 049.5	1967	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.69	0.240	0.75	10 420	49	0.841	0.64	1 279.2	1972	1986	TCPL MATERIAL BALANCE
3.13	0.181	0.55	9 750	38	0.827	0.64	1 205.3	1977	1986	
6.90	0.150	0.40	10 000	38	0.817	0.65	1 218.3	1984	1986	
								1977	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
CRAIGEND 064-13W4									
VIKING A	9 474	0.50	0.05	4 500	10	4 490	37	165 950	71 300
GRAND RAPIDS A	989	0.70	0.05	657	339	318	37	11 896	8 180
GRAND RAPIDS H	483	0.75	0.05	344	133	211	37	7 866	252
GRAND RAPIDS P	580	0.65	0.05	358	137	221	37	8 113	1 052
MCMURRAY C	1 578	0.60	0.05	900	563	337	37	12 361	12 862
GROSMONT A	5 380	0.45	0.05	2 300	2 102	198	37	7 350	36 190
OTHER	7 342			4 510	1 779	2 731		101 609	
TOTAL-CRAIGEND	25 826			13 569	5 063	8 506		315 145	
CRAIGMYLE 032-17W4									
TOTAL-CRAIGMYLE	2 247			1 452	243	1 209		46 743	
CRANBERRY 096-04W6									
DEBOLT A	2 587	0.70	0.05	1 720	463	1 257	36	45 805	5 411
SLAVE POINT A	14 256	0.85	0.15	10 300	2 344	7 956	40	319 433	26 994
SLAVE POINT B	1 024	0.75	0.15	653	482	171	41	7 074	1 036
GILWOOD 096-04	618	0.80	0.10	444		444	40	17 591	797
OTHER	459			306		306		11 547	
TOTAL-CRANBERRY	18 944			13 423	3 289	10 134		401 450	
CRANFORD 008-19W4									
TOTAL-CRANFORD	109			71	66	5		173	
CRESSDAY (SA) 003-01W4									
TOTAL-CRESSDAY	62			45		45		1 719	
CROOKED 069-23W4									
TOTAL-CROOKED	560			362	17	345		12 847	
CROSSFIELD 026-01W5									
BASAL QUARTZ A	1 543	0.92	0.19	1 150	938	212	40	8 465	4 175
BASAL QUARTZ G	396	0.90	0.15	303	247	56	45	2 499	200
BASAL QUARTZ C		0.70	0.15				40		440
BASAL QUARTZ D		0.70	0.15				40		440
BASAL QUARTZ C & D TOTAL	817	0.70	0.15	486	323	163	40	6 447	
RUNDLE A	32 359	0.92	0.13	25 900	20 856	5 044	40	202 063	13 449
RUNDLE B	31 371	0.92	0.21	22 800	19 906	2 894	40	115 905	8 584
RUNDLE F	2 103	0.85	0.15	1 520	930	590	40	23 730	1 654
RUNDLE H	490	0.90	0.15	375	313	62	40	2 476	200
RUNDLE I	649	0.85	0.15	469	366	103	40	4 129	431
WABAMUN A	37 500	0.75	0.52	13 500	10 561	2 939	36	107 068	29 146
OTHER	5 784			1 906	422	1 484		61 015	
TOTAL-CROSSFIELD	113 012			68 409	54 862	13 547		533 797	
CROSSFIELD EAST 029-01W5									
BASAL QUARTZ A	374	0.90	0.10	303	97	206	38	7 892	631
ELKTON A SOLN	207	0.60	0.20	99b			41		
ELKTON A ASSOC	1 540	0.90	0.12	1 220b	1 243b	76	41	3 104	1 149
ELKTON D SOLN	516	0.60	0.25	233b			42		
ELKTON D ASSOC	1 675	0.95	0.12	1 400b	1 214b	419	42	17 573	992
ELKTON C	706	0.85	0.10	540	502	38	40	1 531	440
WABAMUN A	33 333	0.80	0.55	12 000	9 070	2 930	37	107 853	21 867
WABAMUN B	1 091	0.75	0.45	450	218	232	39	9 025	3 316
OTHER	1 085			674	145	529		21 191	
TOTAL-CROSSFIELD EAST	40 527			16 919	12 489	4 430		168 169	
CROW (SA) 004-12W4									
TOTAL-CROW	24			16		16		570	
CRYSTAL 046-03W5									
VIKING A SOLN	1 328	0.43	0.15	485	165	320	47	14 979	
VIKING A ASSOC	1 384	0.65	0.15	765		765	47	35 810	2 707
OTHER	472			299		299		11 927	
TOTAL-CRYSTAL	3 184			1 549	165	1 384		62 716	
CULP 079-24W5									
DEBOLT B 078-24	556	0.85	0.10	426		426	39	16 661	1 185

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.53	0.270	0.55	3 350	16	0.932	0.57	338.1	1949	1984	CWNGNUL CNG KANNGAZ PANALTA TCPL PART OF VIK POOL NO.6
2.07	0.300	0.70	2 710	20	0.946	0.57	386.2	1962	1983	CWNGNUL CNG PANALTA TCPL
8.11	0.300	0.60	2 620	25	0.952	0.56	387.3	1969	1982	CNG PANALTA MATERIAL BALANCE
6.90	0.295	0.80	2 420	18	0.952	0.56	369.2	1967	1986	KANNGAZ PANALTA TCPL MATERIAL BALANCE
2.37	0.250	0.60	2 930	26	0.947	0.57	529.7	1953	1983	CNG PANALTA TCPL MATERIAL BALANCE
9.90	0.105	0.55	2 830	25	0.948	0.56	504.3	1961	1985	CWNGNUL TCPL PRODUCTION DECLINE
7.86	0.172	0.30	5 500	30	0.907	0.58	749.8	1973	1987	PANALTA PART OF DBLT POOL NO.1 MATERIAL BALANCE
5.78	0.070	0.65	21 300	90	0.831	0.83	2 255.2	1974	1987	DOMEDOW PANALTA PROGAS
5.23	0.051	0.60	21 470	89	0.818	0.84	2 292.1	1980	1987	PRODUCTION DECLINE
4.07	0.130	0.55	19 550	82	0.885	0.64	2 320.9	1975	1979	PANALTA PROGAS
2.62	0.124	0.70	16 720	71	0.837	0.71	2 231.9	1957	1987	TCPL PRODUCTION DECLINE
3.39	0.130	0.70	26 820	71	0.864	0.76	2 562.3	1965	1987	PRODUCTION DECLINE
4.32	0.114	0.70	16 980	63	0.817	0.72	2 108.0	1966	1980	MATERIAL BALANCE
1.85	0.114	0.70	16 980	64	0.819	0.72	2 118.1	1966	1980	MATERIAL BALANCE
								1966	1980	TCPL
11.75	0.115	0.90	22 900	81	0.875	0.71	2 560.8	1956	1983	A&S TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
20.72	0.084	0.85	21 110	71	0.830	0.76	2 264.7	1957	1987	TCPL MATERIAL BALANCE
8.20	0.111	0.75	22 720	83	0.874	0.72	2 503.6	1970	1986	A&S MATERIAL BALANCE
12.65	0.115	0.90	22 900	79	0.861	0.75	2 560.3	1961	1987	A&S TCPL MATERIAL BALANCE
9.39	0.087	0.60	20 880	80	0.865	0.70	2 325.0	1972	1987	TCPL PRODUCTION DECLINE
9.30	0.057	0.85	25 030	74	0.752	0.87	2 590.8	1954	1985	TCPL WCOAST PRODUCTION DECLINE
2.41	0.154	0.80	19 890	60	0.852	0.63	2 305.8	1964	1987	TCPL
						0.74		1960	1979	TCPL CONCURRENT PRODUCTION
9.77	0.085	0.80	20 860	77	0.840	0.74	2 268.9	1960	1979	TCPL CONCURRENT PRODUCTION
						0.76		1961	1987	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
9.44	0.106	0.85	20 910	77	0.824	0.76	2 307.9	1961	1987	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
14.89	0.090	0.80	19 140	77	0.849	0.70	2 313.1	1968	1987	TCPL PRODUCTION DECLINE
9.52	0.054	0.85	24 990	83	0.722	0.98	2 670.5	1960	1986	PANALTA PROGAS TCPL MATERIAL BALANCE
8.90	0.063	0.85	24 890	74	0.741	0.91	2 647.8	1959	1981	TCPL MATERIAL BALANCE
						0.75		1976	1987	PROGAS TCPL
5.18	0.124	0.70	10 070	52	0.775	0.75	1 661.5	1976	1987	PROGAS TCPL
5.01	0.140	0.50	12 590	49	0.831	0.64	1 140.6	1973	1978	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
CULP 079-24W5 (CONTINUED)									
OTHER	605			429		429		16 659	
TOTAL-CULP	1 161			855		855		33 320	
CUTBANK 064-09W6									
TOTAL-CUTBANK	940			653		653		25 762	
CUTPICK (SA) 060-07W6									
TOTAL-CUTPICK	61			44		44		1 849	
CYGNET 037-28W4									
TOTAL-CYGNET	2 607			1 650	35	1 615		65 224	
CYN-PEM 051-11W5									
ELLERSLIE A	542	0.75	0.10	366	34	332	41	13 665	1 429
ROCK CREEK A	976	0.75	0.10	659	291	368	42	15 489	2 211
OTHER	2 637			1 422	106	1 316		53 890	
TOTAL-CYN-PEM	4 155			2 447	431	2 016		83 044	
CYPRESS (SA) 007-01W4									
TOTAL-CYPRESS	13			8		8		291	
CZAR 041-05W4									
TOTAL-CZAR	544			350		350		13 195	
DALEHURST 053-23W5									
TOTAL-DALEHURST	104			74		74		2 897	
DALEMEAD (SA) 022-26W4									
TOTAL-DALEMEAD	62			39		39		1 563	
DAPP 062-26W4									
TOTAL-DAPP	93			64	40	24		908	
DARWELL (SA) 054-05W5									
TOTAL-DARWELL	29			19		19		703	
DARWIN 094-18W5									
TOTAL-DARWIN	500			247		247		9 357	
DAVEY 034-27W4									
BELLY RIVER A	520	0.75	0.05	371	307	64	38	2 452	3 846
OTHER	1 236			716	70	646		24 349	
TOTAL-DAVEY	1 756			1 087	377	710		26 801	
DAVID 041-03W4									
TOTAL-DAVID	201			130	3	127		4 757	
DAWSON 080-16W5									
TOTAL-DAWSON	437			271		271		10 144	
DEADMAN (SA) 082-19W4									
TOTAL-DEADMAN	32			17		17		650	
DEADWOOD 091-23W5									
TOTAL-DEADWOOD	119			79	40	39		1 395	
DEANNE 038-11W5									
TOTAL-DEANNE	441			311	13	298		12 326	
DECRENE 071-02W5									
CLEARWATER A	908	0.75	0.05	647	140	507	38	19 180	3 193
CLEARWATER B	427	0.80	0.05	325		325	40	13 049	3 793
OTHER	701			449	108	341		12 660	
TOTAL-DECRENE	2 036			1 421	248	1 173		44 889	
DEEP 065-03W5									
TOTAL-DEEP	99			66		66		2 494	
DEER 024-07W4									
TOTAL-DEER	388			258		258		9 547	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.17	0.120	0.80	17 470	67	0.802	0.71	2 244.9	1973	1982	KANNGAZ TCPL
3.52	0.100	0.75	17 430	79	0.842	0.71	2 251.5	1973	1986	KANNGAZ TCPL
3.69	0.170	0.65	4 090	43	0.931	0.61	1 121.1	1974	1985	NUL CWNGNUL KANNGAZ PROGAS TCPL MATERIAL BALANCE
3.75	0.278	0.60	4 270	19	0.915	0.56	543.3	1976	1985	PANALTA
1.48	0.269	0.60	4 390	20	0.904	0.60	550.0	1975	1986	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
DELIA 032-18W4									
BELLY RIVER A	1 294	0.70	0.05	861	298	563	37	20 702	5 519
OTHER	1 960			1 208	147	1 061		39 726	
TOTAL-DELIA	3 254			2 069	445	1 624		60 428	
DEMAY 048-19W4									
TOTAL-DEMAY	117			74	16	58		2 218	
DERWENT 054-07W4									
TOTAL-DERWENT	340			224	6	218		8 042	
DESMARAIS 080-25W4									
TOTAL-DESMARAIS	73			45		45		1 679	
DETLOFF 081-10W6									
TOTAL-DETLOFF	65			44		44		1 709	
DEVENISH 075-08W4									
TOTAL-DEVENISH	71			37		37		1 353	
DEVIL 071-15W5									
TOTAL-DEVIL	67			45		45		1 700	
DEWBERRY 053-04W4									
TOTAL-DEWBERRY	287			205		205		7 502	
DIAMOND (SA) 010-21W4									
TOTAL-DIAMOND	80			58		58		2 309	
DICKINS (SA) 120-05W6									
TOTAL-DICKINS	17			12		12		439	
DIMSDALE 071-07W6									
PADDY A	2 210	0.80	0.05	1 680		1 680	39	64 730	1 608
OTHER	190			136		136		5 469	
TOTAL-DIMSDALE	2 400			1 816		1 816		70 199	
DINA 045-01W4									
TOTAL-DINA	507			337		337		12 315	
DINANT 047-19W4									
TOTAL-DINANT	411			271	48	223		8 234	
DIVIDE (SA) 082-13W4									
TOTAL-DIVIDE	6			3		3		111	
DIXONVILLE 086-01W6									
BLUESKY A	594	0.70	0.05	395	326	69	37	2 559	1 789
BLUESKY B	104	0.70	0.05	69			37		2 145
GETHING A	815	0.80	0.05	619			38		2 521
BLUESKY B & GETHING A TOTAL	919	0.80	0.05	688	454	234	37	8 768	
OTHER	1 521			1 003	174	829		30 987	
TOTAL-DIXONVILLE	3 034			2 086	954	1 132		42 314	
DIZZY (SA) 121-20W5									
TOTAL-DIZZY	133			90		90		3 490	
DOBSON 029-09W4									
TOTAL-DOBSON	538			360	93	267		9 883	
DOE 081-12W6									
TOTAL-DOE	639			377	216	161		6 196	
DOIG 090-11W6									
TOTAL-DOIG	173			115		115		4 363	
DOLCY 041-04W4									
TOTAL-DOLCY	180			117		117		4 151	
DONALDA 041-18W4									
VIKING A							37		2 540
VIKING C							37		5 908
VIKING D							36		525

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.28	0.246	0.55	3 200	22	0.940	0.56	641.9	1977	1987	PANALTA SLPETRO TCPL
7.45	0.211	0.85	10 490	57	0.879	0.58	1 369.1	1980	1987	
1.30	0.220	0.55	6 410	35	0.898	0.58	766.6	1958	1985	NUL PANALTA TCPL PRODUCTION DECLINE
0.64	0.220	0.55	6 070	33	0.903	0.56	727.9	1952	1986	
3.80	0.212	0.65	6 020	34	0.903	0.56	742.3	1952	1979	
								1952	1986	CWNGNUL PANALTA
1.31	0.140	0.55	6 280	42	0.908	0.58	997.4	1960	1986	PRODUCTION DECLINE
2.05	0.200	0.55	6 280	42	0.908	0.58	1 008.4	1957	1986	PRODUCTION DECLINE
0.91	0.157	0.55	6 280	42	0.912	0.58	1 037.5	1960	1986	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
DONALDA 041-18W4 (CONTINUED)									
VIKING A,C & D TOTAL	622	0.75	0.05	437	404	33	37	1 224	
OTHER	1 832			1 231	273	958		36 515	
TOTAL-DONALDA	2 454			1 668	677	991		37 739	
DORENLEE 043-20W4									
TOTAL-DORENLEE	160			100	35	65		2 408	
DORIS 063-06W5									
UPPER MANNVILLE A	497	0.85	0.10	380	7	373	41	15 453	771
OTHER	325			245	9	236		8 944	
TOTAL-DORIS	822			625	16	609		24 397	
DOSBURN (SA) 001-03W4									
TOTAL-DOSBURN	43			30		30		1 146	
DOUCETTE 078-02W5									
WABISKAW A 077-02	552	0.80	0.05	420		420	37	15 733	2 670
OTHER	104			68		68		2 530	
TOTAL-DOUCETTE	656			488		488		18 263	
DOWLING LAKE 032-15W4									
TOTAL-DOWLING LAKE	283			205	67	138		5 435	
DREAU (SA) 078-21W5									
TOTAL-DREAU	146			103		103		3 920	
DRIFTPILE (SA) 073-12W5									
TOTAL-DRIFTPILE	54			36		36		1 349	
DRIFTWOOD 077-22W4									
TOTAL-DRIFTWOOD	341			204		204		7 530	
DROWNED 076-23W4									
TOTAL-DROWNED	484			308	171	137		5 096	
DRUMHELLER 029-19W4									
MANNVILLE F SOLN	20	0.65	0.10	12[b]			39		
MANNVILLE F ASSOC	977	0.90	0.10	791[b]	285[b]	518	39	20 316	1 898
MANNVILLE G	401	0.85	0.10	307	111	196	39	7 601	842
MANNVILLE M	396	0.80	0.05	301	273	28	40	1 107	440
MANNVILLE W	485	0.80	0.10	349	262	87	40	3 463	440
MANNVILLE CC	667	0.80	0.10	481	100	381	41	15 442	1 914
OTHER	5 713			3 702	1 497	2 205		87 330	
TOTAL-DRUMHELLER	8 659			5 943	2 528	3 415		135 259	
DUAGH (SA) 055-23W4									
TOTAL-DUAGH	15			10		10		371	
DUHAMEL 045-21W4									
TOTAL-DUHAMEL	1 038			568	129	439		16 942	
DUNCAN 074-15W4									
MCMURRAY F	959	0.65	0.05	592	276	316	37	11 739	22 792
GROSMONT B	2 162	0.55	0.05	1 130	1 053	77	37	2 841	26 561
OTHER	517			279	1	278		10 283	
TOTAL-DUNCAN	3 638			2 001	1 330	671		24 863	
DUNSTABLE (SA) 057-01W5									
TOTAL-DUNSTABLE	67			45		45		1 766	
DUNVEGAN 081-04W6									
GETHING B	1 268	0.80	0.05	963	368	595	38	22 854	2 484
GETHING C	389	0.85	0.05	314	10	304	39	11 829	200
GETHING D	556	0.85	0.05	449	156	293	37	10 958	300
DEBOLT A	4 921	0.80	0.05	3 740			40		11 563
DEBOLT B	15 131	0.80	0.05	11 500			40		13 051
DEBOLT C	12 698	0.80	0.05	9 650			40		9 182
DEBOLT D	302	0.70	0.10	190			40		200
DEBOLT D	76	0.70	0.10	48			40		200
DEBOLT D	259	0.70	0.10	163			40		200
DEBOLT D	146	0.75	0.10	99			40		150
DEBOLT A,B,C & D TOTAL	33 533	0.80	0.05	25 390	13 507	11 883	40	479 598	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1957	1986	CNG TCPL
3.87	0.240	0.70	9 000	39	0.828	0.64	982.4	1972	1975	PANALTA TCPL
3.14	0.250	0.80	3 280	28	0.941	0.56	573.3	1973	1975	TCPL BER
						0.65		1950	1984	PROGAS TCPL CONCURRENT PRODUCTION
3.02	0.204	0.75	9 990	40	0.815	0.65	1 284.3	1950	1984	PROGAS TCPL CONCURRENT PRODUCTION
2.80	0.226	0.70	9 550	37	0.815	0.66	1 208.8	1964	1983	TCPL
2.47	0.170	0.65	9 380	38	0.810	0.66	1 340.2	1969	1987	TCPL PRODUCTION DECLINE
4.70	0.227	0.70	9 770	39	0.836	0.62	1 246.0	1973	1982	TCPL MATERIAL BALANCE
2.64	0.198	0.65	9 970	52	0.851	0.64	1 305.9	1976	1983	PANALTA TCPL
1.88	0.280	0.40	2 030	27	0.963	0.57	534.0	1971	1985	KANNGAZ
9.89	0.120	0.30	2 050	27	0.963	0.57	576.9	1972	1986	PRODUCTION DECLINE
2.94	0.241	0.75	9 140	41	0.862	0.59	919.2	1971	1981	A&S DEEP CUT SL
12.95	0.200	0.80	8 890	40	0.861	0.59	904.8	1976	1976	A&S
8.95	0.280	0.75	8 940	30	0.851	0.59	905.7	1972	1987	A&S DEEP CUT SL
3.35	0.141	0.60	13 840	49	0.814	0.65	1 440.0	1963	1985	DEEP CUT SL
7.10	0.174	0.60	14 380	49	0.812	0.65	1 462.2	1963	1984	DEEP CUT SL
7.21	0.191	0.60	15 350	49	0.810	0.65	1 497.7	1952	1984	DEEP CUT SL
8.99	0.130	0.75	15 910	49	0.816	0.63	1 538.2	1979	1981	DEEP CUT SL
5.73	0.110	0.35	15 910	49	0.817	0.63	1 546.6	1972	1981	DEEP CUT SL
8.32	0.140	0.65	15 910	49	0.821	0.62	1 532.2	1975	1981	DEEP CUT SL
9.50	0.120	0.55	14 700	54	0.826	0.63	1 535.3	1985	1986	DEEP CUT SL
								1963	1986	A&S DEEP CUT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
DUNVEGAN 081-04W6 (CONTINUED)									
OTHER	3 577			2 444	495	1 949		75 835	
TOTAL-DUNVEGAN	39 323			29 560	14 536	15 024		601 074	
DUVERNAY 055-12W4									
VIKING A	1 740	0.75	0.05	1 240			37		39 185
VIKING M	60	0.70	0.05	40			37		1 780
VIKING A & M TOTAL	1 800	0.75	0.05	1 280	171	1 109	37	41 166	
COLONY B	1 742	0.60	0.05	993	117	876	38	32 894	4 920
OTHER	5 171			3 478	713	2 765		103 300	
TOTAL-DUVERNAY	8 713			5 751	1 001	4 750		177 360	
DYBERG 044-23W4									
TOTAL-DYBERG	592			399		399		15 358	
EAGLE BUTTE (SA) 007-04W4									
TOTAL-EAGLE BUTTE	615			437		437		16 464	
EAGLESHAM 077-25W5									
DEBOLT A	513	0.90	0.10	416		416	39	16 207	742
DEBOLT E	92	0.75	0.10	62			41		200
DEBOLT G	306	0.90	0.10	248			41		402
DEBOLT E & G TOTAL	398	0.85	0.10	310	84	226	41	9 155	
OTHER	1 510			1 072	184	888		34 763	
TOTAL-EAGLESHAM	2 421			1 798	268	1 530		60 125	
EAGLESHAM NORTH 078-25W5									
TOTAL-EAGLESHAM NORTH	158			114	65	49		2 107	
EARRING 083-08W6									
TOTAL-EARRING	1 424			982	26	956		37 429	
ECONOMY (SA) 068-01W6									
TOTAL-ECONOMY	42			29		29		1 175	
EDBERG 044-19W4									
TOTAL-EDBERG	230			152	5	147		5 537	
EDGERTON 045-04W4									
TOTAL-EDGERTON	1 296			870	292	578		20 750	
EDMONTON (SA) 053-23W4									
TOTAL-EDMONTON	49			31		31		1 181	
EDRA (SA) 099-24W4									
TOTAL-EDRA	105			70		70		2 441	
EDSON 052-18W5									
CARDIUM I,K,P & AAA SOLN	1 027	0.65	0.15	568			41		
CARDIUM K ASSOC	6	0.65	0.10	4			42		64
CARDIUM I,K,P & AAA TOTAL	1 033	0.65	0.15	572		572	41	23 292	
CARDIUM 06-051-18	398	0.85	0.10	304		304	40	12 093	200
VIKING A	791	0.85	0.10	605	589	16	40	636	440
VIKING B	3 704	0.75	0.10	2 500	756	1 744	41	71 295	5 314
VIKING D	1 568	0.85	0.10	1 200	341	859	40	34 764	1 306
GETHING A	6 750	0.80	0.05	5 130	3 680	1 450	42	61 074	4 029
ROCK CREEK A	544	0.90	0.10	441		441	41	17 953	200
ELKTON A		0.85	0.10				39		45 364
SHUNDA A		0.85	0.10				39		440
SHUNDA B		0.85	0.10				39		440
ELK A, SHUN A & B TOTAL	56 470	0.85	0.10	43 200	36 609	6 591	39	258 104	
OTHER	4 520			2 870	443	2 427		97 556	
TOTAL-EDSON	75 778			56 822	42 418	14 404		576 767	
EDWAND 060-16W4									
GRAND RAPIDS A	153	0.70	0.05	102			38		1 332
GRAND RAPIDS C	254	0.70	0.05	169			38		1 616
GRAND RAPIDS D	14	0.75	0.05	10			38		167
GRAND RAPIDS F	27	0.75	0.05	19			38		444
GRAND RAPIDS A,C,D&F TOTAL	448	0.70	0.05	300	164	136	38	5 115	
NISKU A	583	0.60	0.05	333	107	226	37	8 396	1 072
NISKU D	1 240	0.60	0.05	707	321	386	36	13 981	1 783

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.88	0.242	0.50	3 930	18	0.921	0.57	454.1	1949	1984	PART OF VIK POOL NO.6
0.95	0.205	0.50	3 290	17	0.933	0.58	435.3	1972	1983	PART OF VIK POOL NO.6
								1949	1984	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
3.92	0.270	0.75	4 300	25	0.920	0.57	532.6	1972	1984	PANALTA TCPL CWNGNUL
3.35	0.180	0.75	14 410	57	0.812	0.67	1 368.6	1959	1973	PANALTA
2.74	0.140	0.75	15 410	58	0.829	0.64	1 412.0	1976	1982	
3.39	0.182	0.80	14 530	53	0.821	0.64	1 435.7	1952	1980	
								1952	1983	PANALTA
						0.67		1972	1987	
0.70	0.150	0.75	10 670	59	0.793	0.74	1 938.9	1973	1987	
								1972	1987	
7.31	0.160	0.85	19 720	68	0.822	0.71	2 223.1	1976	1980	
3.70	0.130	0.60	39 210	83	1.046	0.65	2 802.9	1974	1987	TCPL PRODUCTION DECLINE DEEP CUT SL
2.51	0.127	0.80	22 150	87	0.890	0.66	2 509.3	1973	1985	PANALTA TCPL MATERIAL BALANCE
3.66	0.153	0.85	21 550	103	0.917	0.63	2 458.8	1966	1987	TCPL MATERIAL BALANCE
11.28	0.098	0.75	23 150	83	0.866	0.72	2 542.3	1963	1987	TCPL MATERIAL BALANCE
11.00	0.110	0.75	37 500	76	1.019	0.65	2 904.1	1977	1983	TCPL
6.25	0.104	0.90	26 600	102	0.951	0.65	2 840.1	1962	1984	PRODUCTION DECLINE
4.88	0.034	0.75	26 790	109	0.961	0.64	2 982.0	1964	1981	PRODUCTION DECLINE
4.88	0.040	0.80	26 810	103	0.955	0.64	3 027.7	1964	1981	PRODUCTION DECLINE
								1962	1981	TCPL
1.51	0.325	0.60	3 740	22	0.927	0.57	531.2	1951	1982	
2.28	0.300	0.60	3 690	22	0.928	0.57	528.2	1951	1982	
1.11	0.300	0.65	3 790	30	0.933	0.57	536.8	1951	1976	
0.83	0.300	0.65	3 790	30	0.933	0.57	539.2	1951	1976	
								1951	1977	PROGAS TCPL
3.43	0.160	0.75	3 440	23	0.936	0.56	647.6	1972	1983	TCPL PRODUCTION DECLINE
16.70	0.153	0.80	3 430	23	0.937	0.57	667.2	1972	1985	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
EDWAND 060-16W4 (CONTINUED)									
OTHER	4 301			2 864	872	1 992		74 764	
TOTAL-EDWAND	6 572			4 204	1 464	2 740		102 256	
ELIZA 055-08W4									
TOTAL-ELIZA	476			322		322		11 966	
ELK POINT 056-06W4									
TOTAL-ELK POINT	410			285	143	142		5 286	
ELKWATER (SA) 008-03W4									
TOTAL-ELKWATER	17			10		10		359	
ELLERSLIE 051-24W4									
TOTAL-ELLERSLIE	59			37	37				
ELLSCOTT 064-21W4									
TOTAL-ELLSCOTT	219			152	10	142		5 358	
ELMWORTH 070-11W6									
CADOTTE A	3 169	0.60	0.10	1 600	169	1 431	37	53 205	6 277
CADOTTE C	910	0.60	0.10	472	2	470	40	18 786	2 391
CADOTTE D	732	0.60	0.10	388	15	373	37	13 894	1 784
FALHER A-2	1 025	0.85	0.10	784			37		12 727
FALHER A-4	245	0.75	0.10	166			37		2 479
FALHER A-10	7 003	0.85	0.15	5 060			37		20 903
FALHER B-1	3 460	0.85	0.15	2 500			37		12 007
FALHER C-2	34	0.75	0.10	23			37		150
FALHER C-3	26	0.75	0.10	18			35		150
FALHER A2,4,10,B1C2&3 TOTAL	11 793	0.85	0.15	8 551	3 748	4 803	37	179 056	
FALHER A-1	8 775	0.85	0.15	6 340			37		32 159
FALHER A-5	379	0.70	0.10	239			37		3 849
FALHER A-7	252	0.85	0.10	193			38		2 199
FALHER B-3	3 709	0.85	0.15	2 680			37		9 630
FALHER B-4	5 606	0.85	0.15	4 050			37		13 224
FALHER B-5	16	0.75	0.10	11			37		128
FALHER D-2	720	0.85	0.10	551			37		3 107
FALHER B-14	212	0.85	0.15	153			37		794
FALHER MU NO. 1 TOTAL	19 669	0.85	0.15	14 217	5 442	8 775	37	327 746	
FALHER B-2	1 398	0.85	0.15	1 010	283	727	37	27 212	2 180
FALHER B-9	1 232	0.85	0.15	890	512	378	37	14 149	5 526
FALHER B-12	771	0.85	0.15	557	507	50	37	1 872	1 757
CADOMIN A	7 950	0.70	0.15	4 730	62	4 668	39	182 379	27 459
HALFWAY A	560	0.70	0.25	347		347	38	13 238	1 058
OTHER	11 362			7 722	502	7 220		291 586	
TOTAL-ELMWORTH	59 646			40 464	11 242	29 242		1 123 123	
ELNORA 035-22W4									
UPPER MANNVILLE A	610	0.75	0.05	435	283	152	39	5 914	4 004
OTHER	1 388			924	249	675		26 849	
TOTAL-ELNORA	1 998			1 359	532	827		32 763	
ELTHAM (SA) 018-26W4									
TOTAL-ELTHAM	23			12		12		440	
EMPRESS 024-02W4									
TOTAL-EMPRESS	154			107		107		3 945	
ENCHANT 014-16W4									
BOW ISLAND I	421	0.80	0.05	320	248	72	35	2 549	6 989
BASAL COLORADO A	780	0.85	0.05	630	545	85	39	3 344	4 363
UPPER MANNVILLE E	854	0.85	0.05	690	17	673	38	25 487	3 993
UPPER MANNVILLE L	499	0.90	0.10	404	18	386	39	14 873	1 830
OTHER	5 248			3 593	1 149	2 444		91 061	
TOTAL-ENCHANT	7 802			5 637	1 977	3 660		137 314	
ENDIANG 035-16W4									
TOTAL-ENDIANG	810			541	202	339		13 307	
ENDONA (SA) 006-09W4									
TOTAL-ENDONA	24			16		16		637	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
3.98	0.094	0.65	12 870	64	0.862	0.61	1 853.4	1970	1985	PANALTA TCPL DEEP CUT SL
3.32	0.106	0.70	12 160	64	0.866	0.61	1 658.9	1978	1985	PANALTA TCPL DEEP CUT SL
4.38	0.095	0.70	12 700	64	0.858	0.62	1 793.6	1978	1986	PANALTA TCPL DEEP CUT SL
2.45	0.044	0.50	15 400	71	0.852	0.64	2 101.6	1977	1987	DEEP CUT SL
2.06	0.058	0.55	15 470	71	0.852	0.64	2 074.6	1978	1985	DEEP CUT SL
4.93	0.073	0.65	15 030	72	0.865	0.62	2 061.8	1977	1987	DEEP CUT SL/NON COMMERCIAL OIL
4.40	0.081	0.60	13 920	69	0.859	0.63	1 917.0	1955	1986	DEEP CUT SL
3.09	0.080	0.60	15 570	71	0.851	0.63	2 034.0	1977	1985	DEEP CUT SL
1.50	0.060	0.70	22 750	85	0.877	0.72	2 103.8	1978	1985	DEEP CUT SL
								1955	1987	PANALTA PROGAS TCPL DEEP CUT SL
3.95	0.070	0.68	14 940	71	0.851	0.64	1 975.9	1970	1987	DEEP CUT SL
1.77	0.059	0.65	14 800	69	0.849	0.63	1 998.4	1976	1987	DEEP CUT SL
2.05	0.065	0.60	14 090	64	0.828	0.67	1 922.0	1970	1987	DEEP CUT SL
6.21	0.073	0.65	13 550	69	0.862	0.62	1 845.7	1978	1986	DEEP CUT SL
5.06	0.078	0.70	15 630	69	0.847	0.65	2 060.9	1976	1987	DEEP CUT SL
2.02	0.061	0.70	15 120	81	0.852	0.67	1 995.8	1979	1985	DEEP CUT SL
2.61	0.077	0.60	19 990	71	0.860	0.63	2 006.7	1976	1986	DEEP CUT SL
3.12	0.100	0.65	13 640	69	0.861	0.62	1 937.1	1955	1986	DEEP CUT SL
								1955	1987	PANALTA PROGAS TCPL DEEP CUT SL
5.27	0.118	0.70	15 150	69	0.855	0.62	1 874.8	1977	1986	TCPL DEEP CUT SL
4.03	0.062	0.60	15 290	69	0.855	0.62	2 127.6	1978	1987	TCPL DEEP CUT SL
5.81	0.078	0.65	15 320	69	0.855	0.62	1 883.4	1979	1986	TCPL DEEP CUT SL
4.88	0.050	0.60	18 810	88	0.887	0.65	2 538.6	1956	1987	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
4.73	0.080	0.65	29 750	89	0.921	0.70	2 642.0	1978	1980	TCPL BER
1.41	0.186	0.70	8 200	48	0.876	0.62	1 544.6	1969	1987	CNG KANNGAZ TCPL
1.05	0.151	0.60	5 940	24	0.899	0.58	720.1	1972	1986	CWNG CWNGNUL PANALTA TCPL
1.47	0.199	0.70	8 800	30	0.827	0.65	875.6	1968	1987	TCPL MATERIAL BALANCE
1.25	0.215	0.65	10 820	32	0.824	0.63	998.2	1966	1987	PANALTA PROGAS TCPL
1.85	0.197	0.60	10 830	33	0.807	0.66	986.2	1966	1982	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
ENTICE 028-24W4									
BELLY RIVER P	562	0.60	0.05	320	229	91	37	3 339	7 055
BELLY RIVER B	693	0.70	0.05	461			37		3 359
BELLY RIVER K	803	0.70	0.05	534			37		7 401
BELLY RIVER B & K TOTAL	1 496	0.70	0.05	995	861	134	37	4 929	
OTHER	1 028			506	273	233		8 562	
TOTAL-ENTICE	3 086			1 821	1 363	458		16 830	
ERITH 048-17W5									
TOTAL-ERITH	446			325		325		13 221	
ERSKINE 039-21W4									
BLAIRMORE		0.80	0.10				39		433
BLAIRMORE		0.80	0.10				38		851
BLAIRMORE TOTAL	1 175	0.80	0.10	846	618	228	38	8 757	
D-3 SOLN	537	0.65	0.50	175b			37		
D-3 ASSOC	840	0.85	0.15	607b	427b	355	37	13 057	1 106
OTHER	3 002			1 912	632	1 280		50 186	
TOTAL-ERSKINE	5 554			3 540	1 677	1 863		72 000	
ESMOND (SA) 126-20W5									
TOTAL-ESMOND	11			7		7		268	
ESTHER 031-02W4									
VIKING A ASSOC	1 434	0.80	0.05	1 090		1 090	39	42 368	9 521
UPPER MANNVILLE A	618	0.80	0.05	469	225	244	37	9 043	1 976
UPPER MANNVILLE E	372	0.85	0.05	300	218	82	38	3 123	1 904
BANFF A	911	0.90	0.05	779	711	68	39	2 650	400
OTHER	2 037			1 381	444	937		35 710	
TOTAL-ESTHER	5 372			4 019	1 598	2 421		92 894	
ESTUARY 023-22W4									
TOTAL-ESTUARY	577			386	69	317		12 219	
ETHEL LAKE 064-03W4									
GRAND RAPIDS A	569	0.65	0.05	352	200	152	37	5 667	1 233
OTHER	66			37	16	21		774	
TOTAL-ETHEL LAKE	635			389	216	173		6 441	
ETZIKOM 006-08W4									
BOW ISLAND A	1 909	0.75	0.05	1 360	1 293	67	37	2 506	10 266
OTHER	549			385	23	362		12 542	
TOTAL-ETZIKOM	2 458			1 745	1 316	429		15 048	
EUREKA (SA) 088-03W6									
TOTAL-EUREKA	95			60		60		2 285	
EVANSBURG (SA) 053-07W5									
TOTAL-EVANSBURG	185			132		132		5 234	
EVERGREEN (SA) 113-23W5									
TOTAL-EVERGREEN	11			6		6		225	
EVI 087-13W5									
TOTAL-EVI	4			3		3		111	
EWING LAKE 037-21W4									
TOTAL-EWING LAKE	217			112	45	67		2 446	
EXCELSIOR 056-24W4									
TOTAL-EXCELSIOR	1 119			760	338	422		16 135	
EXPANSE (SA) 088-04W6									
TOTAL-EXPANSE	121			81		81		3 159	
EYEHILL 041-06W4									
TOTAL-EYEHILL	166			106		106		3 927	
EYREMORE 018-18W4									
BOW ISLAND A	578	0.80	0.05	439	203	236	36	8 541	2 780
OTHER	1 270			852	89	763		28 316	
TOTAL-EYREMORE	1 848			1 291	292	999		36 857	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.16	0.230	0.60	2 960	35	0.952	0.57	741.4	1974	1985	CWNGNUL TCPL PRODUCTION DECLINE
7.14	0.214	0.60	2 960	30	0.948	0.58	791.6	1969	1987	MATERIAL BALANCE
2.93	0.208	0.55	3 240	29	0.942	0.58	821.9	1972	1987	
								1969	1987	CWNGNUL TCPL
2.87	0.130	0.60	9 650	55	0.854	0.65	1 353.3	1952	1980	PRODUCTION DECLINE
6.59	0.160	0.70	9 590	53	0.858	0.64	1 352.5	1952	1981	PRODUCTION DECLINE
								1952	1981	TCPL
						0.74		1952	1986	TCPL CONCURRENT PRODUCTION
9.41	0.063	0.80	15 340	60	0.818	0.74	1 631.6	1952	1986	TCPL CONCURRENT PRODUCTION
1.79	0.214	0.55	6 470	24	0.869	0.61	695.9	1960	1986	KANNGAZ MIP
2.05	0.270	0.70	7 450	27	0.875	0.57	752.6	1969	1984	MIP
0.87	0.183	0.55	7 430	25	0.865	0.58	744.6	1972	1986	MIP MATERIAL BALANCE
5.81	0.190	0.70	8 130	29	0.855	0.59	849.8	1957	1986	MATERIAL BALANCE
3.73	0.280	0.70	2 080	20	0.959	0.56	351.0	1966	1987	PRODUCTION DECLINE
3.05	0.196	0.65	5 550	25	0.896	0.59	680.6	1951	1967	PWGE CTYMEDH MATERIAL BALANCE
2.61	0.172	0.55	7 830	29	0.876	0.57	953.0	1953	1986	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
FAIRYDELL-BON ACCORD 057-24W4									
UPPER VIKING A	1 097	0.95	0.04	1 000			39		12 197
MIDDLE VIKING A	3 070	0.95	0.04	2 800			38		9 921
MIDDLE VIKING B	560	0.95	0.04	511			39		1 865
U VIK A & M VIK AB TOTAL	4 727	0.95	0.05	4 311	3 354	957	39	36 931	
BASAL MANNVILLE A ASSOC	523	0.90	0.10	424	100	324	38	12 192	1 083
BASAL MANNVILLE C SOLN	47	0.65	0.05	29[b]			36		
BASAL MANNVILLE C ASSOC	604	0.90	0.10	490[b]	387[b]	132	36	4 769	296
OTHER	524			356	63	293		11 144	
TOTAL-FAIRYDELL-BON ACCORD	6 425			5 610	3 904	1 706		65 036	
FAITH (SA) 003-12W4									
TOTAL-FAITH	140			100		100		3 695	
FARMINGTON 080-11W6									
KISKATINAW A	787	0.85	0.05	636	189	447	38	17 013	200
OTHER	297			211		211		8 266	
TOTAL-FARMINGTON	1 084			847	189	658		25 279	
FARRELL 034-16W4									
TOTAL-FARRELL	386			261	80	181		6 986	
FARROW 020-24W4									
TOTAL-FARROW	225			146	10	136		5 145	
FAWCETT (SA) 075-21W4									
TOTAL-FAWCETT	31			17		17		634	
FENN WEST 036-20W4									
TOTAL-FENN WEST	1 382			869	90	779		30 656	
FENN-BIG VALLEY 035-20W4									
VIKING B	819	0.80	0.10	590	490	100	39	3 887	8 105
D-2 A ASSOC	49	0.75	0.30	26			42		65
D-2 A SOLN	5 790	0.70	0.55	1 824			42		
D-2 A ASSOC	28	0.75	0.30	15			42		78
D-2 A ASSOC	35	0.75	0.30	18			42		53
D-2 A ASSOC	251	0.75	0.30	132			42		190
D-2 A ASSOC	134	0.75	0.30	71			42		199
D-2 A TOTAL	6 287	0.70	0.55	2 086	1 571	515	42[a]	21 383	
OTHER	1 841			1 049	270	779		29 524	
TOTAL-FENN-BIG VALLEY	8 947			3 725	2 331	1 394		54 794	
FENNER 032-14W4									
TOTAL-FENNER	59			40		40		1 465	
FERGUSON 003-17W4									
TOTAL-FERGUSON	40			27		27		1 075	
FERINTOSH 044-21W4									
TOTAL-FERINTOSH	590			365	181	184		7 048	
FERRIER 039-08W5									
CARDIUM D ASSOC		0.85	0.10				41		1 992
CARDIUM D SOLN	3 194	0.21	0.15	570[b]			41		
CARDIUM D ASSOC		0.85	0.10				40		1 791
CARDIUM D ASSOC		0.85	0.10				41		508
CARDIUM D ASSOC		0.85	0.10				41		1 266
CARDIUM D TOTAL	7 508	0.60	0.10	3 870[b]	3 396[b]	474	41	19 297	
CARDIUM E ASSOC	6 340	0.90	0.15	4 850[b]			41		4 761
CARDIUM E SOLN	6 197	0.17	0.20	842[b]			41		
CARDIUM E ASSOC	5 739	0.90	0.15	4 390[b]			41		4 523
CARDIUM E TOTAL	18 276	0.65	0.15	10 082[b]	7 623[b]	2 459	41	100 573	
CARDIUM G ASSOC	6	0.75	0.15	4			47		87
CARDIUM G ASSOC	69	0.75	0.15	44			47		232
CARDIUM G & L SOLN	4 408	0.28	0.15	1 049			43		
CARDIUM G & L TOTAL	4 483	0.30	0.15	1 097	584	513	44	22 351	
CARDIUM Q	985	0.90	0.10	798			40		1 630

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
1.46	0.240	0.50	5 110	37	0.913	0.59	802.8	1947	1984	PART OF VIK POOL NO.1
3.23	0.200	0.60	5 820	36	0.900	0.60	816.4	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE
2.79	0.200	0.60	5 820	37	0.897	0.60	778.1	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE
								1947	1984	CWNGNUL KANNGAZ NORCEN PANALTA PART OF VIK POOL NO.1
5.39	0.180	0.70	7 070	43	0.895	0.63	1 028.7	1951	1984	NUL CWNGNUL
						0.63		1965	1987	NORCEN PANALTA PRODUCTION DECLINE CONCURRENT PRODUCTION
6.22	0.215	0.75	7 310	42	0.887	0.63	1 055.0	1965	1987	NORCEN PANALTA PRODUCTION DECLINE CONCURRENT PRODUCTION
20.35	0.170	0.70	18 000	81	0.890	0.61	2 312.9	1977	1978	PANALTA
1.42	0.140	0.55	7 240	41	0.857	0.66	1 179.3	1952	1987	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.4 PRODUCTION DECLINE
4.48	0.118	0.85	12 750	48	0.668	0.94	1 597.1	1950	1984	
						0.94		1950	1984	
2.09	0.118	0.85	12 750	48	0.668	0.94	1 573.6	1950	1984	
3.89	0.118	0.85	12 750	48	0.668	0.94	1 596.7	1950	1984	
7.79	0.118	0.85	12 750	48	0.668	0.94	1 590.0	1950	1985	
3.96	0.118	0.85	12 750	48	0.668	0.94	1 778.4	1950	1984	
								1950	1984	CWNGNUL
2.06	0.157	0.90	21 820	70	0.816	0.75	2 055.8	1963	1986	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.75		1963	1986	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.86	0.177	0.90	21 820	70	0.819	0.75	2 035.0	1963	1984	PRODUCTION DECLINE
0.88	0.157	0.90	21 820	70	0.827	0.71	2 047.5	1963	1984	PRODUCTION DECLINE
1.55	0.104	0.75	21 820	70	0.833	0.70	2 026.7	1963	1984	PRODUCTION DECLINE
								1963	1986	TCPL CONCURRENT PRODUCTION
4.03	0.159	0.90	21 820	65	0.795	0.78	2 068.9	1965	1987	CONCURRENT PRODUCTION
						0.78		1965	1987	CONCURRENT PRODUCTION
3.84	0.159	0.90	21 820	65	0.795	0.78	2 059.8	1965	1987	
								1965	1987	A&S TCPL PROGAS CONCURRENT PRODUCTION
0.49	0.090	0.70	21 170	60	0.776	0.76	2 057.7	1967	1984	
0.87	0.164	0.90	21 170	60	0.776	0.76	2 057.7	1967	1984	
						0.68		1966	1986	
								1967	1986	A&S TCPL CNG
2.86	0.125	0.80	22 000	73	0.856	0.68	2 247.1	1969	1984	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
FERRIER 039-08W5 (CONTINUED)									
CARDIUM Z	327	0.85	0.10	250			40		1 314
CARDIUM Q & Z TOTAL	1 312	0.90	0.10	1 048	129	919	40	36 512	
CARDIUM N ASSOC	360	0.85	0.10	275[b]			41		440
CARDIUM N SOLN	786	0.65	0.15	434[b]			41		
CARDIUM B,N & VIK A TOTAL	1 146	0.70	0.15	709[b]	602[b]	107	41	4 363	
GLAUC 21-040-07	362	0.90	0.05	310		310	36	11 052	200
L PEKISKO 02-043-10	501	0.75	0.20	301		301	40	11 905	200
OTHER	7 423			5 011	464	4 547		183 276	
TOTAL-FERRIER	41 011			22 428	12 798	9 630		389 329	
FERRYBANK 044-27W4									
BELLY RIVER C ASSOC	1 760	0.70	0.05	1 170			37		6 677
BELLY RIVER G	4	0.60	0.05	2			36		64
BELLY RIVER H	5	0.60	0.05	3			36		64
BELLY RIVER C, G & H TOTAL	1 769	0.70	0.05	1 175		1 175	37	43 546	
VIKING A	1 248	0.60	0.20	599	161	438	46	20 104	8 392
GLAUCONITIC A	1 181	0.70	0.10	744	341	403	39	15 850	4 331
LOWER MANNVILLE I SOLN	12	0.65	0.10	7[b]			43		
LOWER MANNVILLE I ASSOC	497	0.80	0.10	358[b]	58[b]	307	43	13 345	612
LOWER MANNVILLE F	432	0.85	0.10	330	230	100	43	4 297	502
LOWER MANNVILLE A		0.90	0.10				43		1 190
LOWER MANNVILLE B		0.90	0.10				43		1 214
LOWER MANNVILLE A & B TOTAL	765	0.90	0.10	620	552	68	43	2 924	
OTHER	3 990			2 787	737	2 050		81 489	
TOTAL-FERRYBANK	9 894			6 620	2 079	4 541		181 555	
FIGURE LAKE 063-18W4									
UPPER MANNVILLE B		0.65	0.04				38		982
D-2 B		0.65	0.04				37		7 987
UPPER MANN B & D-2 B TOTAL	2 018	0.65	0.05	1 260	1 219	41	37	1 528	
OTHER	3 050			1 957	598	1 359		51 017	
TOTAL-FIGURE LAKE	5 068			3 217	1 817	1 400		52 545	
FINDLEY 057-06W6									
TOTAL-FINDLEY	977			727		727		26 818	
FIR 058-21W5									
DUNVEGAN 07-060-22	633	0.90	0.10	513		513	40	20 566	200
GETHING A	1 075	0.75	0.10	725		725	40	29 131	2 443
NORDEGG 04-057-20	655	0.85	0.15	473		473	37	17 648	200
TRIASSIC C	9 974	0.80	0.07	7 420	2 234	5 186	38	197 846	22 527
D-3 A	3 556	0.45	0.25	1 200	287	913	37	34 119	1 080
D-3 B	921	0.85	0.25	587		587	37	21 807	128
OTHER	3 061			1 937		1 937		76 558	
TOTAL-FIR	19 875			12 855	2 521	10 334		397 675	
FIRE 113-07W6									
TOTAL-FIRE	338			222	11	211		8 182	
FISHER 068-05W4									
TOTAL-FISHER	1 055			555	19	536		19 834	
FISHING (SA) 057-01W4									
TOTAL-FISHING	108			66		66		2 390	
FLAT 066-20W4									
MANNVILLE A	785	0.75	0.05	560	373	187	37	6 925	5 340
WABAMUN A	3 582	0.90	0.02	3 160	2 169	991	37	36 637	8 290
OTHER	1 515			1 000	203	797		29 608	
TOTAL-FLAT	5 882			4 720	2 745	1 975		73 170	
FLOOD 085-25W5									
TOTAL-FLOOD	297			181	51	130		5 062	
FLORENCE (SA) 068-04W5									
TOTAL-FLORENCE	18			11		11		408	
FLUME 062-05W5									
TOTAL-FLUME	50			36		36		1 448	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.84	0.065	0.90	22 570	62	0.829	0.69	2 303.7	1975	1983	
						0.68		1969	1984	PANALTA PROGAS TCPL
2.78	0.074	0.90	22 340	83	0.845	0.75	2 232.4	1955	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.75		1955	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1955	1984	TCPL CONCURRENT PRODUCTION
6.00	0.180	0.75	24 300	66	0.913	0.64	2 473.5	1982	1982	
12.80	0.110	0.80	24 360	78	0.887	0.68	2 914.2	1966	1982	PROGAS
3.95	0.210	0.55	5 650	35	0.903	0.59	898.1	1955	1987	PANALTA TCPL
2.00	0.180	0.45	3 400	26	0.936	0.59	786.8	1986	1987	
1.90	0.200	0.45	4 110	27	0.924	0.59	857.9	1986	1987	
								1955	1987	
1.89	0.126	0.55	8 060	45	0.635	0.96	1 443.8	1955	1981	PANALTA TCPL PWGE
3.77	0.134	0.45	11 940	64	0.840	0.67	1 566.3	1954	1987	PANALTA PROGAS SOQUIP PART OF GLAUC POOL NO.3
						0.68		1981	1987	CONCURRENT PRODUCTION
4.79	0.191	0.70	12 490	65	0.828	0.68	1 667.4	1981	1987	CONCURRENT PRODUCTION
2.39	0.160	0.80	12 710	45	0.775	0.70	1 587.7	1970	1984	TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
2.36	0.204	0.75	13 340	63	0.803	0.73	1 710.3	1971	1985	MATERIAL BALANCE
2.25	0.196	0.70	13 340	63	0.803	0.73	1 731.2	1981	1985	MATERIAL BALANCE
								1971	1984	TCPL PANALTA
3.11	0.260	0.70	3 540	19	0.929	0.56	537.2	1958	1986	PRODUCTION DECLINE
6.94	0.151	0.60	3 540	24	0.934	0.56	679.5	1955	1986	PRODUCTION DECLINE
								1955	1986	TCPL
10.80	0.165	0.85	21 510	76	0.839	0.73	2 128.7	1976	1978	
3.52	0.103	0.75	18 130	92	0.873	0.71	2 642.9	1972	1981	A&S PROGAS TCPL
16.60	0.120	0.85	21 650	81	0.899	0.71	2 735.3	1980	1980	A&S
2.28	0.106	0.75	22 940	100	0.937	0.61	2 660.0	1972	1987	A&S PROGAS TCPL PANALTA MATERIAL BALANCE DEEP CUT SL
24.74	0.067	0.85	30 710	117	0.958	0.69	3 353.2	1974	1985	PROGAS TCPL KANNGAZ PANALTA
42.00	0.080	0.90	31 170	115	0.960	0.69	3 372.8	1980	1985	PANALTA PROGAS
3.00	0.120	0.50	3 340	27	0.939	0.57	569.9	1967	1986	TCPL MATERIAL BALANCE
13.35	0.226	0.40	3 380	21	0.934	0.57	565.7	1956	1982	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS	2	3	4 MARKETABLE GAS	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
FOLEY LAKE (SA) 065-06W5									
TOTAL-FOLEY LAKE	113			86		86		3 430	
FOREMOST 006-11W4									
BOW ISLAND	566	0.93	0.05	500	428	72	36	2 614	6 038
OTHER	173			113	4	109		4 227	
TOTAL-FOREMOST	739			613	432	181		6 841	
FORESTBURG 042-15W4									
TOTAL-FORESTBURG	3 677			2 447	260	2 187		83 291	
FORSYTH 062-06W4									
TOTAL-FORSYTH	858			551	33	518		19 235	
FORT ASSINIBOINE 062-04W5									
TOTAL-FORT ASSINIBOINE	417			288		288		11 458	
FORT KENT 061-04W4									
TOTAL-FORT KENT	999			632	380	252		9 368	
FORT SASKATCHEWAN 054-22W4									
U VIK A & M VIK A	9 096	0.85	0.03	7 500			37		
U VIK A & M VIK A TOTAL	9 096	0.85	0.05	7 500	7 394	106	37	3 932	
OTHER	266			170	3	167		6 275	
TOTAL-FORT SASKATCHEWAN	9 362			7 670	7 397	273		10 207	
FORTY MILE 007-09W4									
LOWER MANNVILLE E	1 754	0.90	0.05	1 500	858	642	37	23 645	7 148
OTHER	705			501	59	442		16 113	
TOTAL-FORTY MILE	2 459			2 001	917	1 084		39 758	
FOSTER (SA) 033-27W4									
TOTAL-FOSTER	185			126		126		4 976	
FOURTH 082-09W6									
TOTAL-FOURTH	633			430		430		16 337	
FOX CREEK 061-18W5									
VIKING A	3 750	0.80	0.10	2 700	2 225	475	39	18 639	8 296
VIKING B	424	0.80	0.10	305	257	48	39	1 884	200
GETHING H ASSOC	5 993	0.75	0.05	4 270			39		9 920
GETHING D	177	0.70	0.05	118			39		150
GETHING D & H TOTAL	6 170	0.75	0.05	4 388	403	3 985	39	154 817	
OTHER	2 326			1 188	196	992		39 783	
TOTAL-FOX CREEK	12 670			8 581	3 081	5 500		215 123	
FRANCIS 073-22W4									
WABAMUN A	516	0.65	0.05	318		318	37	11 826	440
OTHER	204			117		117		4 398	
TOTAL-FRANCIS	720			435		435		16 224	
FRANCIS SOUTH 072-21W4									
TOTAL-FRANCIS SOUTH	40			22		22		765	
FRENCH (SA) 064-01W5									
TOTAL-FRENCH	156			112		112		4 240	
FURNESS (SA) 048-23W4									
TOTAL-FURNESS	101			69		69		2 640	
GADSBY 037-19W4									
BELLY RIVER C	2 387	0.60	0.05	1 360	240	1 120	37	41 194	9 654
OTHER	1 119			735	166	569		21 475	
TOTAL-GADSBY	3 506			2 095	406	1 689		62 669	
GAGE 082-03W6									
TOTAL-GAGE	734			507		507		19 098	
GALAHAD 040-15W4									
TOTAL-GALAHAD	758			487	1	486		18 246	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.52	0.200	0.80	4 830	27	0.918	0.57	692.5	1923	1981	CWNG CWNGNUL MATERIAL BALANCE
	0.210	0.60	5 550	33	0.905	0.60	780.9	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL KANNGAZ NORCEN PART OF VIK POOL NO.2
1.93	0.190	0.60	10 100	30	0.850	0.58	933.4	1965	1987	CWNGNUL PANALTA TCPL
3.43	0.145	0.60	10 170	60	0.846	0.67	1 721.6	1957	1985	A&S TCPL MATERIAL BALANCE
2.74	0.145	0.60	10 070	66	0.863	0.65	1 784.4	1967	1987	A&S PRODUCTION DECLINE
5.10	0.144	0.60	14 580	75	0.869	0.63	1 947.9	1957	1987	A&S PANALTA PROGAS PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
11.00	0.140	0.55	14 810	75	0.871	0.63	1 980.6	1967	1987	PART OF GETHING POOL NO.1
								1957	1987	PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
23.75	0.250	0.80	2 420	20	0.952	0.57	548.6	1965	1983	PANALTA BER
4.99	0.253	0.65	3 010	27	0.947	0.56	623.7	1969	1987	CWNGNUL KANNGAZ TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
GAMBLER 070-21W4									
TOTAL-GAMBLER	964			575	152	423		15 858	
GARDEN PLAINS 033-13W4									
TOTAL-GARDEN PLAINS	450			300	147	153		6 025	
GARDNER (SA) 090-17W5									
TOTAL-GARDNER	23			16		16		582	
GARRINGTON 034-04W5									
CARDIUM A & B SOLN	5 600	0.10	0.45	308			52		
CARDIUM A & B TOTAL	5 600	0.10	0.45	308	87	221	52	11 483	
VIKING A ASSOC	408	0.70	0.10	257[b]			39		4 699
VIKING A SOLN	741	0.65	0.15	410[b]			39		
VIKING A ASSOC	13	0.60	0.10	7[b]			39		150
VIKING A ASSOC	11	0.55	0.10	5[b]			39		150
VIKING A ASSOC	9	0.55	0.10	5[b]			39		150
VIKING A ASSOC	11	0.55	0.10	5[b]			39		150
VIKING A ASSOC	18	0.60	0.10	10[b]			39		128
VIKING A TOTAL	1 211	0.65	0.15	699[b]	99[b]	600	39	23 544	
MANNVILLE B SOLN	3 742	0.80	0.25	2 246	2 160	86	42	3 617	
MANNVILLE D SOLN	221	0.65	0.30	101[b]			41		
MANNVILLE D ASSOC	980	0.80	0.10	706[b]	469[b]	338	41	13 814	2 345
MANNVILLE P	555	0.85	0.10	425	51	374	39	14 586	400
LOWER MANNVILLE H	510	0.90	0.10	413	57	356	40	14 283	1 762
LOWER MANNVILLE ZZ	792	0.85	0.15	572	8	564	41	23 045	649
WABAMUN A SOLN	1 753	0.65	0.33	763[b]			39		
WABAMUN A ASSOC	8 709	0.85	0.33	4 960[b]	4 258[b]	1 465	39	56 520	13 888
LEDUC D ASSOC	769	0.80	0.25	461		461	40	18 297	128
LEDUC C	508	0.85	0.25	324	19	305	42	12 722	200
OTHER	10 318			7 095	1 117	5 978		241 122	
TOTAL-GARRINGTON	35 668			19 073	8 325	10 748		433 033	
GARTH 064-06W4									
TOTAL-GARTH	164			90	11	79		2 973	
GARTLEY 031-18W4									
TOTAL-GARTLEY	576			377	72	305		11 967	
GATOR 118-03W6									
TOTAL-GATOR	115			73		73		2 768	
GAYFORD 026-25W4									
TOTAL-GAYFORD	1 046			621	274	347		12 928	
GENESEE 050-03W5									
TOTAL-GENESEE	570			402		402		15 731	
GEORGE 082-05W6									
KISKATINAW D	785	0.85	0.10	600	307	293	41	12 010	2 334
OTHER	749			517	27	490		19 087	
TOTAL-GEORGE	1 534			1 117	334	783		31 097	
GERE 062-08W5									
TOTAL-GERE	70			48		48		1 843	
GERMAIN (SA) 085-22W4									
TOTAL-GERMAIN	27			13		13		479	
GHOST PINE 031-22W4									
UPPER MANNVILLE V SOLN	156	0.60	0.10	85[b]			40		
UPPER MANNVILLE V ASSOC	287	0.80	0.05	219[b]	111[b]	193	40	7 635	444
UPPER MANNVILLE C ASSOC		0.85	0.10				40		2 351
UPPER MANNVILLE C SOLN	14	0.60	0.20	6[b]			40		
UPPER MANNVILLE U		0.85	0.10				39		971
UPPER MANNVILLE ZZZ		0.85	0.10				40		467
U MANN C,U & ZZZ TOTAL	1 387	0.85	0.10	1 056[b]	260[b]	796	40	31 617	
UPPER MANNVILLE Q ASSOC	656	0.90	0.10	531[b]			40		1 129

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.81		1954	1984	
								1954	1984	A&S PROGAS TCPL PANALTA
1.68	0.089	0.65	8 920	58	0.858	0.67	1 992.5	1977	1987	CONCURRENT PRODUCTION
						0.67		1977	1987	CONCURRENT PRODUCTION
1.82	0.084	0.65	8 920	63	0.866	0.67	2 133.3	1977	1987	ASSIGNED WELL 14-32-34-3 W5M
1.70	0.080	0.75	7 660	61	0.878	0.67	2 127.4	1977	1987	ASSIGNED WELL 06-30-035-03 W5M
1.14	0.092	0.75	7 660	65	0.884	0.67	2 172.2	1977	1987	ASSIGNED WELL 10-13-035-04 W5M
2.32	0.067	0.65	7 660	64	0.882	0.67	2 149.5	1977	1987	ASSIGNED WELL 01-25-035-04 W5M
2.66	0.102	0.65	8 510	74	0.886	0.67	2 106.1	1977	1987	ASSIGNED WELL 6-20-035-03 W5M
								1977	1987	A&S KANNGAZ PROGAS TCPL CONCURRENT PRODUCTION
						0.77		1963	1985	A&S CWNGNUL TCPL
						0.72		1968	1987	PANALTA PROGAS TCPL CONCURRENT PRODUCTION
2.00	0.111	0.75	27 750	78	0.896	0.72	2 438.7	1968	1987	PANALTA PROGAS TCPL CONCURRENT PRODUCTION
8.50	0.101	0.85	19 760	76	0.847	0.71	2 557.6	1978	1979	PROGAS
1.31	0.109	0.80	27 500	72	0.895	0.69	2 449.3	1974	1982	PANALTA TCPL PROGAS
5.62	0.119	0.85	21 300	74	0.813	0.76	2 527.2	1979	1987	
						0.77		1952	1985	PANALTA PROGAS TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
8.47	0.048	0.80	24 720	74	0.856	0.77	2 644.4	1952	1985	PANALTA PROGAS TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
45.00	0.068	0.85	25 510	89	0.868	0.77	2 966.3	1985	1987	
26.21	0.048	0.85	25 510	88	0.905	0.72	3 006.7	1956	1986	TCPL PRODUCTION DECLINE
2.10	0.143	0.75	14 630	61	0.834	0.65	1 460.8	1973	1987	TCPL
						0.71		1956	1987	TCPL CONCURRENT PRODUCTION OIL DEPLETED
3.64	0.214	0.75	10 410	55	0.817	0.71	1 488.6	1956	1987	TCPL CONCURRENT PRODUCTION OIL DEPLETED
1.75	0.175	0.60	10 640	50	0.807	0.69	1 389.9	1964	1987	PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
						0.69		1964	1987	PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
5.92	0.199	0.65	10 640	50	0.827	0.66	1 415.5	1964	1987	PRODUCTION DECLINE
1.10	0.179	0.50	10 640	50	0.807	0.69	1 412.8	1965	1987	PRODUCTION DECLINE
								1955	1987	TCPL CONCURRENT PRODUCTION OIL DEPLETED
4.54	0.182	0.65	10 340	55	0.829	0.67	1 466.8	1967	1987	CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
GHOST PINE 031-22W4 (CONTINUED)									
UPPER MANNVILLE Q SOLN	20	0.65	0.10	12b			40		
UPPER MANNVILLE Y		0.75	0.10				40		6 935
UPPER MANNVILLE FF		0.75	0.10				40		8 320
UPPER MANN Q,Y & FF TOTAL	5 862	0.75	0.10	4 073b	2 306b	1 767	40	69 956	
UPPER MANNVILLE G		0.75	0.10				40		1 440
UPPER MANNVILLE H		0.75	0.10				39		3 894
UPPER MANNVILLE P ASSOC		0.75	0.10				40		6 432
UPPER MANN YYY		0.75	0.10				40		1 589
U MANNVILLE G,H,P&YYY TOTAL	4 889	0.75	0.10	3 300	2 681	619	40	24 494	
UPPER MANNVILLE XX	392	0.85	0.10	300			40		523
LOWER MANNVILLE O	70	0.70	0.10	44			38		200
U MANN XX & L MANN O TOTAL	462	0.85	0.10	344	7	337	40	13 372	
LOWER MANNVILLE F	551	0.90	0.10	446	417	29	40	1 152	783
PEKISKO G	772	0.92	0.04	682	568	114	39	4 488	200
OTHER	8 166			5 192	2 401	2 791		110 636	
TOTAL-GHOST PINE	22 532			15 397	8 751	6 646		263 350	
GILBY 041-03W5									
CARDIUM C	609	0.85	0.15	440	11	429	44	19 060	2 882
UPPER MANNVILLE E	527	0.80	0.15	359		359	40	14 299	150
BASAL MANNVILLE D	1 911	0.80	0.15	1 300	929	371	41	15 129	1 150
BASAL MANNVILLE A		0.85	0.15				40		2 369
JURASSIC D		0.85	0.15				41		861
BSL MANN A & JUR D TOTAL	9 688	0.85	0.15	7 000	3 899	3 101	41	125 622	
BASAL MANNVILLE H		0.91	0.10				41		2 800
BASAL MANNVILLE L ASSOC		0.70	0.15				40		200
JURASSIC-RUNDLE ASSOC		0.92	0.08				41		11 767
JURASSIC-RUNDLE SOLN	111	0.60	0.10	60b			41		
BMN H&L,J-RUN&UMN A TOTAL	26 516	0.85	0.10	20 260b	15 794b	4 466	40	180 292	
JURASSIC B SOLN	1 058	0.32	0.20	271b			41		
JURASSIC B ASSOC	499	0.80	0.15	339b	352b	258	41	10 503	494
RUNDLE G	598	0.85	0.15	432		432	40	17 276	1 125
RUNDLE H	984	0.85	0.10	752	1	751	39	29 184	1 428
OTHER	7 391			4 405	994	3 411		136 159	
TOTAL-GILBY	49 781			35 558	21 980	13 578		547 524	
GILWOOD 073-18W5									
TOTAL-GILWOOD	422			255	47	208		7 761	
GIROUX LAKE 066-21W5									
TOTAL-GIROUX LAKE	775			497	22	475		19 176	
GIROUXVILLE (SA) 077-23W5									
TOTAL-GIROUXVILLE	59			42		42		1 593	
GIROUXVILLE EAST 077-22W5									
GETHING A	741	0.75	0.05	528	12	516	36	18 602	1 658
OTHER	778			540	85	455		17 388	
TOTAL-GIROUXVILLE EAST	1 519			1 068	97	971		35 990	
GLACIER 077-12W6									
TOTAL-GLACIER	768			541		541		21 530	
GLADYS 020-27W4									
WABAMUN A	1 500	0.50	0.20	600		600	40	23 772	2 942
OTHER	928			545	51	494		19 267	
TOTAL-GLADYS	2 428			1 145	51	1 094		43 039	
GLEICHEN 022-22W4									
MEDICINE HAT A	713	0.70	0.03	484			36		15 304
SE ALTA GAS SYS(MU) TOTAL	713	0.70	0.05	484	185	299	36	10 902	
GLAUCONITIC J	527	0.80	0.10	380	118	262	39	10 273	1 986
OTHER	173			118	25	93		3 574	
TOTAL-GLEICHEN	1 413			982	328	654		24 749	
GLEN PARK 049-27W4									
TOTAL-GLEN PARK	1 209			778	276	502		19 311	
GLENEVIS 055-04W5									
TOTAL-GLENEVIS	821			596	38	558		21 979	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.67		1967	1987	CONCURRENT PRODUCTION
2.26	0.161	0.55	10 570	57	0.833	0.68	1 507.9	1966	1987	MATERIAL BALANCE
2.56	0.193	0.60	10 570	57	0.833	0.68	1 491.6	1961	1987	MATERIAL BALANCE
								1961	1987	TCPL CONCURRENT PRODUCTION
1.43	0.165	0.50	10 450	50	0.817	0.68	1 407.3	1964	1987	PRODUCTION DECLINE
2.13	0.197	0.75	10 450	50	0.829	0.66	1 373.9	1962	1987	PRODUCTION DECLINE
2.17	0.203	0.60	10 450	50	0.817	0.68	1 410.9	1962	1987	PRODUCTION DECLINE GPP
1.72	0.180	0.55	10 450	50	0.817	0.68	1 437.5	1952	1987	PRODUCTION DECLINE
								1952	1987	
4.28	0.205	0.80	10 400	58	0.837	0.67	1 503.9	1976	1987	
2.78	0.160	0.70	10 220	48	0.800	0.74	1 522.8	1976	1976	
								1976	1987	TCPL
5.34	0.200	0.55	10 650	52	0.826	0.66	1 471.0	1960	1981	TCPL PRODUCTION DECLINE
4.32	0.045	0.75	10 580	48	0.830	0.64	1 383.2	1962	1987	PRODUCTION DECLINE
1.01	0.096	0.85	19 380	48	0.764	0.72	1 774.8	1963	1982	A&S CWNGNUL
9.40	0.270	0.85	15 860	70	0.808	0.73	2 118.2	1977	1985	CWNGNUL
7.80	0.107	0.80	15 510	70	0.821	0.72	2 045.5	1962	1987	KANNGAZ TCPL PRODUCTION DECLINE
12.65	0.137	0.70	15 980	72	0.838	0.70	2 151.3	1956	1986	MATERIAL BALANCE
5.48	0.169	0.75	15 980	72	0.831	0.71	2 173.8	1956	1986	MATERIAL BALANCE
								1956	1986	TCPL
4.91	0.120	0.65	15 870	70	0.814	0.74	2 112.9	1956	1987	MATERIAL BALANCE
1.10	0.120	0.70	15 310	73	0.775	0.83	2 045.8	1959	1987	MATERIAL BALANCE
12.84	0.120	0.65	15 960	71	0.817	0.73	2 096.3	1953	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.73		1953	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
								1953	1987	A&S TCPL CONCURRENT PRODUCTION
						0.73		1958	1986	A&S TCPL CONCURRENT PRODUCTION
4.94	0.159	0.80	15 890	71	0.817	0.73	2 133.0	1958	1986	A&S TCPL CONCURRENT PRODUCTION
5.80	0.073	0.75	17 600	77	0.854	0.68	2 195.9	1961	1987	PROGAS TCPL
6.45	0.087	0.70	17 980	77	0.833	0.73	2 231.0	1963	1985	KANNGAZ PROGAS TCPL SOQUIP
3.85	0.209	0.65	8 230	37	0.883	0.58	860.2	1980	1986	SOQUIP
5.10	0.051	0.85	22 900	66	0.833	0.79	2 517.7	1961	1981	PANALTA TCPL BER
1.08	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1987	PANALTA PROGAS
1.55	0.191	0.75	10 830	43	0.816	0.65	1 354.6	1963	1985	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
GLOVER 075-09W4									
TOTAL-GLOVER	106			55		55		2 026	
GODIN 081-01W5									
TOTAL-GODIN	369			183		183		6 852	
GOLD CREEK 067-05W6									
BLUESKY-GETHING A	2 256	0.70	0.05	1 500	1 142	358	41	14 778	7 673
CADOMIN B	689	0.70	0.10	434	175	259	40	10 254	812
WABAMUN A	3 600	0.50	0.35	1 170	706	464	44	20 221	1 230
WABAMUN 34-069-05	1 021	0.75	0.15	651		651	38	24 699	400
WABAMUN 34-069-05	511	0.70	0.15	304		304	39	11 981	200
OTHER	1 951			1 311	139	1 172		47 080	
TOTAL-GOLD CREEK	10 028			5 370	2 162	3 208		129 013	
GOLDEN 086-15W5									
TOTAL-GOLDEN	205			64	6	58		2 226	
GOLDEN SPIKE 051-27W4									
BLAIRMORE A		0.90	0.05				39		366
BLAIRMORE A		0.90	0.05				39		256
BLAIRMORE A		0.90	0.05				39		415
BLAIRMORE A		0.90	0.05				39		66
BLAIRMORE A		0.90	0.05				39		49
BLAIRMORE A		0.90	0.05				39		24
BLAIRMORE A		0.90	0.05				39		64
BLAIRMORE A		0.90	0.05				39		24
BLAIRMORE A		0.90	0.05				39		16
BLAIRMORE A		0.75	0.10				40		200
BLAIRMORE A TOTAL	400	0.90	0.05	342	324	18	39	699	
D-1 A	920	0.85	0.10	704	420	284	39	11 085	438
D-3 A SOLN	4 712	0.82	0.45	2 125[b]			42		
D-3 A ASSOC		0.90	0.10		1 350[b]	775	42	32 767	
OTHER	1 612			842	156	686		26 631	
TOTAL-GOLDEN SPIKE	7 644			4 013	2 250	1 763		71 182	
GOODFISH (SA) 091-09W5									
TOTAL-GOODFISH	106			66		66		2 476	
GOODRIDGE 061-02W5									
TOTAL-GOODRIDGE	620			412	44	368		14 385	
GOODWIN 059-13W5									
JURASSIC A	688	0.80	0.10	495		495	39	19 176	1 289
OTHER	433			254	18	236		10 234	
TOTAL-GOODWIN	1 121			749	18	731		29 410	
GOOSE RIVER 067-18W5									
VIKING A	533	0.85	0.05	430	19	411	37	15 318	2 356
BEAVERHILL LAKE A SOLN	2 083	0.43	0.40	538	361	177	41	7 338	
OTHER	17			10	-18	28		1 116	
TOTAL-GOOSE RIVER	2 633			978	362	616		23 772	
GOPHER (SA) 081-19W4									
TOTAL-GOPHER	39			19		19		674	
GORDONDALE 079-10W6									
PEACE RIVER	989	0.85	0.05	799			40		3 717
NOTIKEWIN B	102	0.75	0.05	73			40		200
GETHING A	811	0.75	0.03	590			40		3 176
PEACE RIV,NOT B&GET A TOTAL	1 902	0.80	0.05	1 462	1 425	37	40	1 483	
GETHING B	439	0.85	0.05	354	328	26	39	1 018	200
OTHER	2 580			1 850	223	1 627		63 600	
TOTAL-GORDONDALE	4 921			3 666	1 976	1 690		66 101	
GRAHAM 079-04W4									
MCMURRAY B	1 027	0.55	0.05	537	123	414	37	15 326	4 143
OTHER	483			230	42	188		6 884	
TOTAL-GRAHAM	1 510			767	165	602		22 210	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.32	0.109	0.60	22 100	70	0.857	0.66	2 126.0	1964	1987	A&S MATERIAL BALANCE
6.69	0.090	0.70	19 750	64	0.828	0.68	2 105.9	1966	1975	A&S
17.47	0.069	0.85	35 600	99	0.974	1.11	3 344.6	1964	1987	A&S PRODUCTION DECLINE
12.05	0.101	0.85	33 870	110	1.019	0.69	3 188.8	1980	1982	PROGAS
12.00	0.100	0.85	34 180	111	1.011	0.70	3 233.3	1980	1982	PROGAS
2.23	0.170	0.60	10 070	52	0.833	0.68	1 324.1	1949	1986	
2.87	0.170	0.60	10 070	52	0.833	0.68	1 533.1	1949	1986	
4.16	0.170	0.60	10 070	52	0.833	0.68	1 325.6	1949	1986	PRODUCTION DECLINE
2.10	0.170	0.60	10 070	52	0.833	0.68	1 318.0	1949	1986	PRODUCTION DECLINE
1.77	0.170	0.60	10 070	52	0.833	0.68	1 313.4	1949	1986	
2.13	0.170	0.60	10 070	52	0.833	0.68	1 323.1	1949	1986	ASSIGNED WELL 11-34-51-27 W4
3.05	0.170	0.60	10 070	52	0.833	0.68	1 331.4	1949	1986	ASSIGNED WELL 11-34-51-27 W4
1.52	0.170	0.60	10 070	52	0.833	0.68	1 333.5	1949	1986	ASSIGNED WELL 11-34-51-27 W4
10.06	0.170	0.60	10 070	52	0.833	0.68	1 346.3	1949	1986	ASSIGNED WELL 11-34-51-27 W4
4.32	0.170	0.60	10 070	42	0.816	0.67	1 336.5	1954	1987	
								1949	1986	
6.15	0.090	0.80	10 890	53	0.833	0.69	1 384.7	1949	1970	MATERIAL BALANCE
						0.86		1949	1987	CWNGNUL CONCUR PROD SEC GAS CAP GAS CYCLING
						0.86		1949	1987	CWNGNUL CONCUR PROD SEC GAS CAP GAS CYCLING
4.99	0.200	0.40	14 030	69	0.872	0.65	1 784.0	1956	1975	TCPL
1.85	0.200	0.65	9 460	53	0.878	0.61	1 213.2	1964	1978	PANALTA TCPL
						0.69		1963	1987	TCPL
4.48	0.190	0.70	4 300	33	0.915	0.61	841.9	1952	1974	MATERIAL BALANCE
7.40	0.145	0.65	7 240	44	0.887	0.58	959.2	1957	1982	
3.38	0.120	0.70	10 150	42	0.845	0.60	1 291.7	1953	1971	MATERIAL BALANCE
								1952	1974	DOMEDOW PANALTA PROGAS WCOAST
9.87	0.120	0.70	12 470	43	0.834	0.59	1 325.6	1957	1986	WCOAST PRODUCTION DECLINE
7.42	0.300	0.60	1 810	15	0.963	0.56	235.3	1976	1984	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
GRAINDALE 026-01W4									
TOTAL-GRAINDALE	475			329	14	315		11 732	
GRAND FORKS 011-13W4									
TOTAL-GRAND FORKS	1 162			519	21	498		16 912	
GRANDE CACHE (SA) 059-08W6									
TOTAL-GRANDE CACHE	191			146		146		5 298	
GRANDE PRAIRIE 071-06W6									
TOTAL-GRANDE PRAIRIE	2 069			1 434	1	1 433		57 724	
GRANLEA 008-10W4									
BOW ISLAND A	1 362	0.85	0.05	1 100	729	371	36	13 341	5 029
OTHER	243			176	50	126		4 664	
TOTAL-GRANLEA	1 605			1 276	779	497		18 005	
GRANOR 083-18W4									
GROSMONT A	1 290	0.40	0.05	490	272	218	37	8 044	20 233
OTHER	120			61		61		2 107	
TOTAL-GRANOR	1 410			551	272	279		10 151	
GRANUM 011-26W4									
BOW ISLAND A	560	0.65	0.10	328	34	294	41	12 145	2 407
TOTAL-GRANUM	560			328	34	294		12 145	
GRASSLAND 067-19W4									
WABAMUN-WINTERBURN A	526	0.70	0.05	350	88	262	37	9 710	2 489
OTHER	1 091			683	292	391		14 513	
TOTAL-GRASSLAND	1 617			1 033	380	653		24 223	
GRASSY (SA) 067-21W5									
TOTAL-GRASSY	27			18		18		704	
GREENCOURT 059-09W5									
JURASSIC B	690	0.85	0.10	528	1	527	38	20 226	1 736
JURASSIC A	2 750	0.80	0.10	1 980[b]			42		5 590
PEKISKO A ASSOC	2 787	0.55	0.10	1 380[b]			42		2 643
PEKISKO A SOLN	123	0.60	0.15	63[b]			42		
JURASSIC A&PEKISKO A TOTAL	5 660	0.65	0.10	3 423[b]	2 953[b]	470	42	19 627	
OTHER	783			541	140	401		15 867	
TOTAL-GREENCOURT	7 133			4 492	3 094	1 398		55 720	
GREENCOURT EAST 059-06W5									
TOTAL-GREENCOURT EAST	679			442	30	412		16 446	
GREGG (SA) 049-25W5									
TOTAL-GREGG	136			92		92		3 691	
GREY (SA) 045-19W5									
TOTAL-GREY	181			129		129		4 970	
GRIMSHAW 083-23W5									
TOTAL-GRIMSHAW	89			64	15	49		1 852	
GRIST 073-09W4									
GRAND RAPIDS A	785	0.55	0.05	410		410	37	15 293	9 853
OTHER	16			10		10		362	
TOTAL-GRIST	801			420		420		15 655	
GRIZZLY 062-22W5									
TOTAL-GRIZZLY	720			537	102	435		17 516	
GROAT 057-16W5									
LEDUC A	1 220	0.85	0.30	726	4	722	38	27 364	630
OTHER	620			416		416		16 960	
TOTAL-GROAT	1 840			1 142	4	1 138		44 324	
GROUARD (SA) 075-15W5									
TOTAL-GROUARD	96			63		63		2 357	
GROUSE 074-12W4									
TOTAL-GROUSE	255			130		130		4 826	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.37	0.220	0.60	5 650	26	0.904	0.58	684.3	1971	1987	CWNGNUL PANALTA MATERIAL BALANCE
14.66	0.173	0.20	1 250	17	0.975	0.57	316.1	1976	1985	PANALTA
5.13	0.120	0.65	5 850	47	0.894	0.65	1 667.3	1971	1983	CWNGNUL
4.50	0.250	0.65	2 910	29	0.949	0.56	546.9	1958	1986	PANALTA TCPL
4.89	0.132	0.55	11 240	61	0.855	0.65	1 481.5	1974	1987	DOMEDOW CWNGNUL TCPL
6.42	0.128	0.50	11 680	60	0.840	0.66	1 441.2	1961	1985	PRODUCTION DECLINE
10.77	0.117	0.75	11 210	63	0.850	0.66	1 455.4	1961	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.66		1961	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1961	1985	TCPL CONCURRENT PRODUCTION
2.53	0.305	0.65	1 580	19	0.969	0.55	328.0	1979	1983	PROGAS
13.00	0.074	0.85	26 910	90	0.890	0.77	3 054.8	1984	1986	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
GUNN 055-03W5									
TOTAL-GUNN	366			245	73	172		6 837	
GUTAH 099-07W6									
TOTAL-GUTAH	47			31		31		1 166	
HABAY (SA) 088-06W6									
TOTAL-HABAY	35			19		19		719	
HACKETT 035-17W4									
LOWER MANNVILLE A	750	0.80	0.09	546	542	4	39	154	977
OTHER	892			589	240	349		13 911	
TOTAL-HACKETT	1 642			1 135	782	353		14 065	
HADDOCK (SA) 056-16W5									
TOTAL-HADDOCK	609			369		369		13 658	
HAIRY HILL 055-14W4									
VIKING A	824	0.80	0.05	626	231	395	38	14 923	18 839
COLONY W	1 900	0.72	0.05	1 300	1 134	166	37	6 203	1 781
COLONY X	954	0.65	0.05	589	502	87	38	3 289	1 941
D-2 B	507	0.75	0.05	361	294	67	37	2 510	1 046
CAMROSE A	682	0.85	0.05	551	523	28	37	1 046	4 004
OTHER	3 306			2 108	818	1 290		48 624	
TOTAL-HAIRY HILL	8 173			5 535	3 502	2 033		76 595	
HALKIRK 038-16W4									
TOTAL-HALKIRK	2 058			1 277	206	1 071		42 240	
HALKIRK EAST 040-14W4									
TOTAL-HALKIRK EAST	723			476		476		17 955	
HALLIDAY 028-14W4									
TOTAL-HALLIDAY	108			77	18	59		2 270	
HAMBURG 095-11W6									
SLAVE POINT A	2 276	0.80	0.05	1 730	251	1 479	38	56 291	1 149
TOTAL-HAMBURG	2 276			1 730	251	1 479		56 291	
HAMELIN CREEK 080-06W6									
TOTAL-HAMELIN CREEK	629			451	150	301		11 395	
HANDHILLS (SA) 029-17W4									
TOTAL-HANDHILLS	20			14		14		566	
HANGINGSTONE 084-09W4									
UPPER MANNVILLE A	2 298	0.60	0.05	1 310		1 310	37	48 509	30 681
OTHER	729			360		360		13 425	
TOTAL-HANGINGSTONE	3 027			1 670		1 670		61 934	
HANLAN 047-17W5									
CARDIUM A	555	0.90	0.15	425		425	41	17 213	200
CARDIUM 03-046-17	485	0.90	0.05	415		415	39	16 343	200
WINTERBURN B	858	0.75	0.10	580	243	337	38	12 654	200
BEAVERHILL LAKE A	38 334	0.80	0.25	23 000	3 199	19 801	38	749 864	8 020
BEAVERHILL LAKE B	756	0.70	0.25	397	164	233	38	8 803	256
SWAN HILLS 046-17	1 099	0.75	0.25	618		618	38	23 311	638
OTHER	832			544		544		23 816	
TOTAL-HANLAN	42 919			25 979	3 606	22 373		852 004	
HANNA 031-14W4									
LOWER MANNVILLE E	403	0.80	0.05	306	232	74	41	3 022	1 139
LOWER MANNVILLE F	689	0.80	0.05	523	505	18	41	734	2 798
OTHER	1 238			799	240	559		21 487	
TOTAL-HANNA	2 330			1 628	977	651		25 243	
HANSMAN 040-04W4									
TOTAL-HANSMAN	231			148	2	146		5 141	
HARDY 076-05W4									
TOTAL-HARDY	1 801			924	218	706		26 257	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
8.24	0.180	0.70	8 400	41	0.837	0.67	1 169.5	1952	1985	TCPL PRODUCTION DECLINE
0.75	0.255	0.50	4 320	21	0.914	0.58	488.4	1949	1986	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
8.26	0.300	0.75	4 340	25	0.919	0.58	538.1	1954	1985	TCPL MATERIAL BALANCE
5.40	0.290	0.70	4 190	27	0.923	0.57	561.3	1972	1985	CWNGNUL TCPL PRODUCTION DECLINE
5.40	0.184	0.75	3 990	27	0.928	0.56	628.6	1964	1982	TCPL PRODUCTION DECLINE
3.25	0.105	0.60	3 940	29	0.931	0.56	661.7	1973	1984	PANALTA TCPL PRODUCTION DECLINE
13.56	0.085	0.85	26 240	109	0.966	0.61	2 534.7	1983	1986	
3.50	0.350	0.60	1 000	12	0.979	0.56	306.9	1974	1986	
9.56	0.140	0.85	26 130	79	0.865	0.78	2 653.6	1974	1976	PANALTA
19.52	0.054	0.85	33 710	83	0.995	0.60	2 887.3	1978	1982	TCPL
44.30	0.070	0.85	60 710	123	1.285	0.60	4 133.1	1980	1986	PANALTA MATERIAL BALANCE TOP/BASE TVD
23.13	0.084	0.90	43 810	144	1.093	0.72	4 604.8	1976	1985	PANALTA
18.52	0.064	0.90	43 840	138	1.096	0.71	4 774.3	1979	1987	PANALTA
9.85	0.096	0.80	30 790	123	0.971	0.72	4 705.6	1981	1983	PANALTA
1.29	0.210	0.70	9 310	37	0.823	0.65	1 139.1	1972	1982	TCPL MATERIAL BALANCE
1.62	0.220	0.70	9 390	37	0.825	0.64	1 152.7	1949	1986	PANALTA TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
HARLECH (SA) 044-14W5									
TOTAL-HARLECH	204			146		146		5 898	
HARLEY 056-27W5									
LEDUC 15-056-27	861	0.70	0.10	543		543	39	21 313	200
OTHER	92			67		67		2 905	
TOTAL-HARLEY	953			610		610		24 218	
HARMATTAN EAST 032-03W5									
RUNDLE SOLN	5 624	0.37	0.30	1 457[b]			41[a]		
RUNDLE ASSOC	36 252	c	c	28 000[b]	14 358[b]	15 099	41[a]	618 002	19 341
OTHER	1 633			998	109	889		36 154	
TOTAL-HARMATTAN EAST	43 509			30 455	14 467	15 988		654 156	
HARMATTAN-ELKTON 031-04W5									
RUNDLE B SOLN	18	0.65	0.30	8[b]			40		
RUNDLE B ASSOC	2 353	0.85	0.15	1 700[b]	1 019[b]	689	40	27 684	2 643
RUNDLE C SOLN	5 143	0.65	0.30	2 340[b]			41[a]		
RUNDLE C ASSOC	31 326	c	c	23 300[b]	7 331[b]	18 309	41[a]	759 457	7 020
RUNDLE A	2 400	0.25	0.14	516	409	107	41	4 339	849
D-3 A	13 400	0.28	0.79	788	683	105	36	3 806	4 527
OTHER	155			98		98		3 926	
TOTAL-HARMATTAN-ELKTON	54 795			28 750	9 442	19 308		799 212	
HARMON VALLEY (SA) 082-18W5									
TOTAL-HARMON VALLEY	81			50		50		1 897	
HARO 101-03W6									
BLUESKY A	3 094	0.50	0.05	1 470			38		46 428
BLUESKY A	4 526	0.70	0.05	3 010			37		26 539
BLUESKY A	28	0.70	0.05	19			37		718
BLUESKY A	653	0.70	0.05	434			37		6 557
BLUESKY A	4	0.55	0.05	2			37		200
BLUESKY A	5	0.55	0.05	3			37		200
BLUESKY A	15	0.65	0.05	10			37		200
BLUESKY A	5	0.70	0.05	4			37		200
BLUESKY A	13	0.50	0.05	7			37		200
BLUESKY A	8	0.70	0.05	6			38		200
BLUESKY A TOTAL	8 351	0.65	0.05	4 965	1 623	3 342	37	124 356	
OTHER	1 428			782	163	619		22 919	
TOTAL-HARO	9 779			5 747	1 786	3 961		147 275	
HARPER (SA) 097-24W4									
TOTAL-HARPER	14			7		7		252	
HARTELL 019-02W5									
TOTAL-HARTELL	362			77	77				
HARTMAN 067-04W5									
TOTAL-HARTMAN	23			15		15		580	
HASTINGS 050-20W4									
TOTAL-HASTINGS	368			235	109	126		4 781	
HATTONFORD (SA) 057-14W5									
TOTAL-HATTONFORD	75			48		48		2 178	
HAWK 097-20W5									
TOTAL-HAWK	32			22		22		835	
HAYNES 038-24W4									
TOTAL-HAYNES	164			92		92		3 484	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
33.53	0.060	0.80	44 110	144	1.125	0.71	4 635.0	1976	1980	PANALTA BER
						0.82		1954	1987	A&S TCPL PANALTA CONCURRENT PRODUCTION GAS CYCLING
9.14	0.088	0.73	23 600	85	0.840	0.82	2 521.3	1954	1987	A&S TCPL PANALTA CONCURRENT PRODUCTION GAS CYCLING
						0.71		1960	1986	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
1.61	0.092	0.80	23 670	91	0.895	0.71	2 726.9	1960	1986	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
						0.71		1954	1983	A&S TCPL CONCURRENT PRODUCTION GAS CYCLING
21.20	0.105	0.90	25 030	94	0.873	0.71	2 673.0	1954	1983	A&S TCPL CONCURRENT PRODUCTION GAS CYCLING
8.63	0.124	0.80	24 790	75	0.887	0.71	2 780.4	1957	1987	TCPL PRODUCTION DECLINE
22.22	0.050	0.90	32 230	110	0.777	0.92	3 351.8	1961	1983	A&S TCPL MATERIAL BALANCE
2.46	0.210	0.40	3 100	19	0.936	0.57	335.3	1972	1987	PART OF BLSKY POOL NO.1
6.30	0.210	0.40	3 100	19	0.937	0.59	335.3	1972	1984	PART OF BLSKY POOL NO.1
1.43	0.210	0.40	3 100	19	0.937	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
3.68	0.210	0.40	3 100	19	0.937	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
0.90	0.160	0.40	3 080	30	0.945	0.59	638.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-10-104-5 W6M
1.20	0.160	0.40	3 130	30	0.944	0.59	637.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-18-104-5 W6M
1.30	0.160	0.40	3 190	25	0.940	0.59	449.1	1972	1982	PART OF BLSKY POOL NO.1 PRODUCTION DECLINE ASSIGNED WELL 10-28-104-5 W6M
0.90	0.210	0.40	3 100	24	0.941	0.59	458.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-9-105-5 W6M
4.70	0.210	0.40	1 730	27	0.968	0.59	570.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-30-106-6 W6M
1.85	0.180	0.40	3 100	30	0.944	0.59	577.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-33-104-6 W6M
								1972	1987	A&S CWNGNUL PANALTA TCPL PART OF BLSKY POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
HAYS 013-14W4									
TOTAL-HAYS	598			386		386		16 177	
HAYTER 041-01W4									
TOTAL-HAYTER	413			294	4	290		10 373	
HEART LAKE 069-10W4									
TOTAL-HEART LAKE	614			313	65	248		9 117	
HEART RIVER 077-16W5									
NOTIKEWIN	1 214	0.75	0.05	865	388	477	37	17 859	3 844
OTHER	522			336	117	219		8 195	
TOTAL-HEART RIVER	1 736			1 201	505	696		26 054	
HEATHDALE 027-08W4									
TOTAL-HEATHDALE	1 774			1 243	37	1 206		47 578	
HECTOR 016-17W4									
TOTAL-HECTOR	411			295	71	224		8 749	
HELDAR 058-07W5									
TOTAL-HELDAR	1 147			780		780		32 148	
HELICOPTER 102-08W6									
TOTAL-HELICOPTER	36			24		24		880	
HELMSDALE 026-06W4									
TOTAL-HELMSDALE	28			20	20				
HERCULES 051-23W4									
TOTAL-HERCULES	820			516	113	403		14 974	
HERRONTON 019-26W4									
BELLY RIVER A		0.80	0.05				36		7 664
BELLY RIVER B		0.80	0.05				36		2 491
BELLY RIVER A & B TOTAL	1 619	0.80	0.05	1 230	1 141	89	36	3 240	
OTHER	620			331	100	231		8 599	
TOTAL-HERRONTON	2 239			1 561	1 241	320		11 839	
HIGH PRAIRIE 074-16W5									
TOTAL-HIGH PRAIRIE	458			321		321		11 921	
HIGH RIVER (SA) 018-29W4									
TOTAL-HIGH RIVER	207			124		124		5 172	
HIGHLAND 029-02W4									
TOTAL-HIGHLAND	409			304		304		12 021	
HIGHVALE 051-04W5									
LOWER MANNVILLE A SOLN	455	0.47	0.15	182[b]			39		
LOWER MANNVILLE A ASSOC	243	0.75	0.10	164[b]	82[b]	264	39	10 212	1 139
NORDEGG D	19	0.80	0.10	14			40		128
BANFF H SOLN	725	0.65	0.15	400			42		
NORDEGG D & BANFF H TOTAL	744	0.65	0.15	414	8	406	42	17 012	
OTHER	3 262			2 119	172	1 947		76 812	
TOTAL-HIGHVALE	4 704			2 879	262	2 617		104 036	
HIGHWOOD (SA) 017-02W5									
TOTAL-HIGHWOOD	3			2		2		83	
HILL 085-11W6									
TOTAL-HILL	152			108	15	93		3 591	
HILLSDOWN 037-25W4									
TOTAL-HILLSDOWN	250			152		152		5 741	
HINES 085-03W6									
TOTAL-HINES	1 766			1 083	325	758		28 401	
HINTON 051-25W5									
TOTAL-HINTON	472			224	142	82		3 205	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.46	0.327	0.65	3 270	24	0.940	0.55	533.9	1952	1986	LOC U PANALTA
4.10	0.212	0.65	3 280	35	0.948	0.57	922.4	1973	1985	MATERIAL BALANCE
3.01	0.200	0.55	3 310	35	0.947	0.57	995.4	1973	1984	MATERIAL BALANCE
								1973	1984	CWNGNUL KANNGAZ
						0.70		1977	1986	CONCURRENT PRODUCTION
1.19	0.149	0.65	16 520	49	0.787	0.70	1 571.5	1977	1986	CONCURRENT PRODUCTION
1.40	0.090	0.60	17 230	49	0.761	0.73	1 587.3	1985	1986	
						0.74		1981	1986	
								1985	1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
HOLBURN 050-01W5									
GLAUCONITIC 01-050-01	395	0.85	0.10	302		302	41	12 258	200
OTHER	1 212			818	167	651		25 508	
TOTAL-HOLBURN	1 607			1 120	167	953		37 766	
HOLLOW 061-20W4									
TOTAL-HOLLOW	375			235	70	165		6 340	
HOLMBERG 044-17W4									
GLAUCONITIC E	612	0.75	0.10	413	99	314	39	12 114	1 060
GLAUCONITIC G	390	0.85	0.05	315	178	137	38	5 269	582
GLAUCONITIC A	569	0.75	0.05	406			37		1 586
MANNVILLE D	180	0.70	0.10	113			38		300
GLAUC A & MANNVILLE D TOTAL	749	0.75	0.05	519	215	304	37	11 382	
OTHER	3 699			2 416	364	2 052		78 599	
TOTAL-HOLMBERG	5 450			3 663	856	2 807		107 364	
HOMEGLEN-RIMBEY 043-01W5									
D-3 SOLN	2 459	0.50	0.20	984[b]			38		
D-3 ASSOC	30 615	0.88	0.15	22 900[b]	23 737[b]	147	38	5 655	4 661
OTHER	2 083			1 304	172	1 132		45 522	
TOTAL-HOMEGLEN-RIMBEY	35 157			25 188	23 909	1 279		51 177	
HONDO 070-27W4									
TOTAL-HONDO	51			35		35		1 308	
HONEYSUCKLE (SA) 046-26W4									
TOTAL-HONEYSUCKLE	90			63		63		2 540	
HOOKER 015-29W4									
LIVINGSTONE 05-015-29	711	0.70	0.20	398		398	38	15 060	200
TOTAL-HOOKER	711			398		398		15 060	
HOOLE 081-24W4									
WABISKAW A	728	0.70	0.05	485	143	342	37	12 675	7 292
WABAMUN A	1 163	0.65	0.05	718	1	717	38	27 002	9 296
OTHER	195			119		119		4 386	
TOTAL-HOOLE	2 086			1 322	144	1 178		44 063	
HORSEFLY LAKE 008-16W4									
TOTAL-HORSEFLY LAKE	52			34		34		1 158	
HOSELAW 060-06W4									
TOTAL-HOSELAW	131			85	42	43		1 608	
HOTCHKISS 094-01W6									
BLUESKY A	965	0.80	0.05	733	659	74	35	2 589	5 282
BLUESKY D	630	0.80	0.05	479			37		2 177
BLUESKY E	1 355	0.80	0.05	1 030			37		4 682
SHUNDA A	2 803	0.80	0.05	2 130			37		15 685
BLUESKY G	23	0.60	0.05	13			37		200
BLUESKY D,E,G,& SHUN TOTAL	4 811	0.80	0.05	3 652	2 015	1 637	37	60 585	
DEBOLT B	652	0.50	0.05	310	217	93	36	3 385	1 880
DEBOLT A	4 316	0.70	0.05	2 870	2 075	795	36	28 970	8 039
OTHER	1 420			876	353	523		19 384	
TOTAL-HOTCHKISS	12 164			8 441	5 319	3 122		114 913	
HOUSE 082-15W4									
GROSMONT A	4 210	0.40	0.05	1 600	316	1 284	37	47 380	62 198
OTHER	197			101		101		3 352	
TOTAL-HOUSE	4 407			1 701	316	1 385		50 732	
HOWARD 079-05W6									
TOTAL-HOWARD	142			100		100		3 884	
HUDSON 030-02W4									
VIKING A	1 067	0.70	0.08	687	555	132	37	4 920	7 860

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
14.40	0.158	0.65	11 690	43	0.788	0.66	1 392.7	1984	1984	SLPETRO
4.64	0.229	0.70	7 560	44	0.874	0.67	1 042.8	1970	1986	A&S TCPL
4.33	0.254	0.75	7 580	33	0.868	0.59	1 055.3	1976	1986	A&S TCPL
2.85	0.220	0.70	7 620	33	0.866	0.64	1 028.6	1971	1986	
5.25	0.216	0.65	7 540	33	0.863	0.67	1 047.2	1977	1986	
								1971	1986	A&S TCPL
						0.77		1953	1986	A&S TCPL PROGAS PRODUCTION DECLINE CONCURRENT PRODUCTION
52.52	0.075	0.90	19 530	82	0.843	0.77	2 387.5	1953	1986	A&S TCPL PROGAS PRODUCTION DECLINE CONCURRENT PRODUCTION
21.00	0.098	0.80	24 900	86	0.913	0.68	3 388.1	1980	1982	PROGAS BER
2.30	0.267	0.60	2 680	23	0.950	0.56	418.3	1967	1987	PROGAS
5.18	0.140	0.75	2 300	24	0.957	0.57	457.4	1967	1985	PANALTA PROGAS
1.56	0.250	0.50	5 450	23	0.902	0.60	674.4	1971	1981	PANALTA TCPL MATERIAL BALANCE
1.29	0.218	0.60	5 350	30	0.908	0.57	715.2	1974	1987	MATERIAL BALANCE
1.38	0.230	0.55	5 220	26	0.906	0.58	647.8	1976	1987	MATERIAL BALANCE
3.07	0.182	0.50	5 355	29	0.906	0.58	683.7	1975	1987	MATERIAL BALANCE
1.00	0.180	0.70	5 140	25	0.908	0.56	663.4	1977	1987	MATERIAL BALANCE
								1974	1987	PANALTA TCPL
4.39	0.230	0.60	5 460	27	0.904	0.58	688.5	1972	1984	PANALTA
5.12	0.210	0.50	5 500	30	0.907	0.58	726.3	1973	1986	PANALTA PART OF DBLT POOL NO.1 MATERIAL BALANCE
26.86	0.120	0.15	1 390	18	0.972	0.57	314.5	1973	1982	PANALTA PROGAS
1.82	0.220	0.40	6 570	32	0.892	0.57	731.1	1954	1985	PANALTA TCPL PART OF VIK POOL NO.5 PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	RAW GAS 1 INITIAL VOLUME IN PLACE 10^6m^3	RAW GAS 2 POOL RECOVERY frac	RAW GAS 3 SURFACE LOSS frac	MARKETABLE GAS 4 INITIAL ESTABLISHED RESERVES 10^6m^3	MARKETABLE GAS 5 NET CUMULATIVE PRODUCTION 10^6m^3	MARKETABLE GAS 6 REMAINING ESTABLISHED RESERVES 10^6m^3	MARKETABLE GAS 7 GROSS HEAT VALUE MJ/m^3	MARKETABLE GAS 8 REMAINING ENERGY CONTENT TJ	9 AREA ha
HUDSON 030-02W4 (CONTINUED)									
OTHER	712			499	42	457		17 253	
TOTAL-HUDSON	1 779			1 186	597	589		22 173	
HUNTER VALLEY 029-09W5									
RUNDLE A	2 844	0.75	0.25	1 600	706	894	38	33 552	1 117
TOTAL-HUNTER VALLEY	2 844			1 600	706	894		33 552	
HUSSAR 025-20W4									
BELLY RIVER A	391	0.80	0.05	297			37		4 984
BELLY RIVER D	281	0.80	0.05	214			37		3 699
BELLY RIVER E	4	0.80	0.05	3			37		128
BELLY RIVER F	13	0.80	0.05	10			37		150
BELLY RIVER A,D,E & F TOTAL	689	0.80	0.05	524	465	59	37	2 175	
MILK RIVER A	193	0.70	0.05	128			36		2 453
MEDICINE HAT A	4 344	0.70	0.03	2 950			36		63 330
BELLY RIVER C	58	0.55	0.05	30			37		646
SE ALTA GAS SYS (MU) TOTAL	4 595	0.70	0.05	3 108	228	2 880	36	105 034	
VIKING B	792	0.90	0.05	677	260	417	38	15 900	4 583
VIKING E	413	0.80	0.05	314	298	16	37	597	5 499
VIKING L	653	0.70	0.05	434	191	243	38	9 134	3 112
BASAL COLORADO A	584	0.90	0.05	500	360	140	37	5 170	6 752
BASAL COLORADO C	690	0.75	0.05	492	491	1	37	37	6 507
GLAUCONITIC B SOLN	105	0.65	0.15	58b			38		
GLAUCONITIC B ASSOC	609	0.90	0.10	493b	414b	137	38	5 262	1 329
GLAUCONITIC A ASSOC	2 367	0.92	0.10	1 960b			39		2 397
GLAUCONITIC A SOLN	572	0.65	0.25	279b			39		
GLAUCONITIC A ASSOC	351	0.92	0.10	290b			39		256
GLAUCONITIC A TOTAL	3 290	0.85	0.10	2 529b	1 221b	1 308	39	50 593	
GLAUCONITIC N	3 766	0.90	0.05	3 220	3 056	164	39	6 368	5 111
GLAUCONITIC P	625	0.85	0.05	504	475	29	40	1 146	200
GLAUCONITIC Q	712	0.90	0.10	577	546	31	40	1 228	617
GLAUCONITIC R	563	0.90	0.10	456	398	58	40	2 307	200
GLAUCONITIC FF	475	0.80	0.05	361	359	2	39	78	200
GLAUCONITIC JJ	1 324	0.65	0.10	775	254	521	39	20 444	6 004
GLAUCONITIC III	725	0.70	0.10	457	96	361	41	14 819	2 849
OSTRACOD F	764	0.90	0.10	619	54	565	40	22 334	3 359
OSTRACOD R	685	0.80	0.05	521	243	278	40	10 981	2 952
BASAL MANNVILLE B	1 374	0.80	0.10	989	14	975	39	38 269	953
OTHER	10 216			6 519	2 367	4 152		163 125	
TOTAL-HUSSAR	33 649			24 127	11 790	12 337		475 001	
HUXLEY 034-24W4									
VIKING A		0.70	0.05				40		4 798
UPPER MANNVILLE A		0.70	0.05				42		200
LOWER MANNVILLE A		0.70	0.05				42		200
VIK A,UMN A & LMN A TOTAL	1 699	0.70	0.05	1 130	824	306	42	12 708	
OTHER	894			519	101	418		16 482	
TOTAL-HUXLEY	2 593			1 649	925	724		29 190	
HYLO 065-15W4									
LOWER MANNVILLE A	757	0.70	0.05	504	168	336	37	12 459	6 383
OTHER	1 288			823	279	544		20 164	
TOTAL-HYLO	2 045			1 327	447	880		32 623	
HYTHE 073-10W6									
HALFWAY G	375	0.90	0.10	304		304	41	12 330	150
OTHER	1 177			774	9	765		30 446	
TOTAL-HYTHE	1 552			1 078	9	1 069		42 776	
INLAND 051-15W4									
TOTAL-INLAND	2 872			1 523	534	989		37 019	
INNISFAIL 035-01W5									
D-3 SOLN	5 910	0.60	0.45	1 950	1 903	47	45	2 107	
OTHER	1 432			842	14	828		33 459	
TOTAL-INNISFAIL	7 342			2 792	1 917	875		35 566	
INVERNESS (SA) 068-12W5									
TOTAL-INVERNESS	84			53		53		2 143	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
16.21	0.058	0.80	24 670	64	0.861	0.66	2 634.6	1962	1984	A&S TCPL MATERIAL BALANCE
2.12	0.250	0.50	2 960	27	0.947	0.56	629.9	1960	1985	
1.91	0.250	0.50	3 170	27	0.944	0.56	638.0	1960	1985	
0.81	0.250	0.50	3 170	27	0.944	0.56	662.9	1968	1985	
2.16	0.250	0.50	3 170	27	0.944	0.56	694.4	1965	1985	
								1960	1985	CWNGNUL TCPL
2.82	0.154	0.55	3 140	16	0.937	0.56	798.8	1910	1987	PART OF MILK RIV POOL NO.1
1.59	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
2.22	0.205	0.60	3 170	20	0.939	0.56	649.7	1964	1984	
								1904	1984	PROGAS TCPL
1.50	0.203	0.70	7 740	40	0.868	0.62	1 229.0	1955	1985	TCPL
1.08	0.203	0.70	7 930	38	0.871	0.60	1 141.5	1961	1987	TCPL PRODUCTION DECLINE
3.23	0.154	0.55	7 250	33	0.878	0.60	1 056.6	1955	1985	TCPL
1.06	0.169	0.70	8 550	44	0.880	0.59	1 320.1	1952	1984	TCPL MATERIAL BALANCE
1.07	0.177	0.70	8 470	45	0.891	0.56	1 255.8	1955	1986	TCPL MATERIAL BALANCE
						0.66		1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
2.29	0.203	0.70	10 140	45	0.828	0.66	1 434.0	1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
5.14	0.227	0.75	10 200	44	0.811	0.69	1 426.5	1952	1987	CONING GAS CAP
						0.69		1952	1987	CONING GAS CAP
7.19	0.219	0.75	10 240	44	0.810	0.69	1 439.6	1952	1986	CONING GAS CAP
								1952	1987	TCPL CONING GAS CAP
4.38	0.209	0.70	10 140	44	0.831	0.64	1 366.0	1955	1984	TCPL PRODUCTION DECLINE
17.37	0.220	0.75	10 270	44	0.824	0.64	1 375.0	1957	1987	TCPL MATERIAL BALANCE
3.23	0.208	0.70	10 140	44	0.816	0.66	1 401.2	1960	1987	TCPL PRODUCTION DECLINE
17.27	0.210	0.70	10 270	44	0.809	0.67	1 416.4	1960	1987	TCPL PRODUCTION DECLINE
1.85	0.220	0.75	10 070	44	0.778	0.75	1 402.7	1968	1984	TCPL PRODUCTION DECLINE
2.52	0.178	0.45	9 900	43	0.826	0.65	1 419.4	1960	1987	TCPL
2.23	0.187	0.55	10 000	39	0.821	0.64	1 245.4	1962	1986	TCPL
1.40	0.211	0.75	9 470	44	0.828	0.66	1 394.8	1956	1973	TCPL
1.74	0.200	0.70	10 220	46	0.817	0.67	1 449.1	1956	1984	TCPL MATERIAL BALANCE
12.17	0.150	0.70	10 160	42	0.813	0.66	1 370.6	1960	1985	TCPL
4.04	0.137	0.40	8 570	52	0.870	0.63	1 490.0	1962	1986	PRODUCTION DECLINE
2.10	0.180	0.50	11 250	60	0.833	0.68	1 592.5	1963	1985	PRODUCTION DECLINE
2.70	0.190	0.65	11 420	62	0.837	0.67	1 686.0	1962	1985	PRODUCTION DECLINE
								1962	1985	TCPL PROGAS
3.51	0.244	0.55	2 460	19	0.951	0.56	482.2	1972	1982	TCPL
14.80	0.090	0.80	22 620	59	0.826	0.69	2 179.7	1981	1985	PROGAS
						0.83		1957	1976	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
IOSEGUN (SA) 067-20W5									
TOTAL-IOSEGUN	154			109		109		3 995	
IPIATIK 072-09W4									
GRAND RAPIDS A	794	0.60	0.05	452	148	304	37	11 218	9 444
GRAND RAPIDS B	653	0.50	0.05	311	161	150	37	5 525	7 281
OTHER	647			332	125	207		7 634	
TOTAL-IPIATIK	2 094			1 095	434	661		24 377	
IRON SPRINGS 011-20W4									
TOTAL-IRON SPRINGS	238			159		159		5 766	
IRRICANA 027-27W4									
WABAMUN A	1 333	0.45	0.25	450	403	47	36	1 702	801
WABAMUN B	1 070	0.55	0.20	471		471	38	18 105	1 930
OTHER	294			186	57	129		4 732	
TOTAL-IRRICANA	2 697			1 107	460	647		24 539	
ISLAY 050-04W4									
TOTAL-ISLAY	112			78	4	74		2 569	
JACK 085-04W6									
TOTAL-JACK	278			194	43	151		5 671	
JARVIE 063-01W5									
VIKING A	522	0.80	0.05	397	10	387	39	15 225	5 293
ELLERSLIE B	495	0.75	0.05	352	80	272	40	10 777	2 017
OTHER	1 309			864	121	743		28 884	
TOTAL-JARVIE	2 326			1 613	211	1 402		54 886	
JARVIE NORTH 064-02W5									
TOTAL-JARVIE NORTH	413			277		277		10 595	
JASLAN 067-21W4									
TOTAL-JASLAN	109			72		72		2 712	
JEAN (SA) 098-24W4									
TOTAL-JEAN	131			67		67		2 827	
JEFFREY 059-23W4									
TOTAL-JEFFREY	179			117	1	116		3 610	
JENNER 020-09W4									
MILK RIVER A	5 278	0.70	0.05	3 510			36		38 808
MEDICINE HAT A	1 914	0.70	0.03	1 300			36		36 071
MEDICINE HAT C	74	0.50	0.03	36			36		2 841
MEDICINE HAT D	144	0.50	0.03	70			36		4 999
SECOND WHITE SPECKS A	1 585	0.75	0.05	1 130			36		20 095
SE ALTA GAS SYS(MU) TOTAL	8 995	0.70	0.05	6 046	1 759	4 287	36	156 304	
VIKING J	434	0.80	0.05	330	125	205	38	7 733	2 968
BASAL COLORADO D	669	0.85	0.05	541	39	502	37	18 805	2 166
ARCS A	534	0.80	0.20	342	128	214	38	8 031	400
OTHER	4 074			2 593	406	2 187		81 035	
TOTAL-JENNER	14 706			9 852	2 457	7 395		271 908	
JILES 063-21W4									
TOTAL-JILES	314			184	42	142		5 324	
JOAN (SA) 092-10W5									
TOTAL-JOAN	100			66		66		2 527	
JOARCAM 048-21W4									
VIKING SOLN	1 360	0.53	0.40	433[b]			38		
VIKING ASSOC	2 174	0.80	0.35	1 130[b]	1 213[b]	350	38	13 332	13 277
VIKING C SOLN	5	0.60	0.05	3[b]			38		
VIKING C ASSOC	983	0.60	0.05	561[b]	34[b]	530	38	20 156	19 446
ELLERSLIE 03-049-21	438	0.85	0.05	353		353	37	12 994	200
BSL QUARTZ 30-050-22	455	0.85	0.15	329		329	39	12 953	200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.42	0.296	0.70	1 630	13	0.966	0.56	317.2	1974	1986	PANALTA SLPETRO
2.79	0.282	0.70	1 590	14	0.967	0.56	318.0	1974	1986	PANALTA SLPETRO
4.07	0.050	0.70	24 340	74	0.916	0.65	2 317.3	1958	1986	WCOAST PRODUCTION DECLINE
6.52	0.054	0.70	24 200	71	0.889	0.71	2 345.8	1969	1986	KANNGAZ PANALTA PROGAS
1.34	0.209	0.60	5 610	32	0.891	0.61	674.6	1960	1987	KANNGAZ PANALTA
2.60	0.219	0.65	6 460	40	0.885	0.62	905.9	1965	1986	PANALTA
5.38	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.23	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.66	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.73	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.02	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1987	PANALTA TCPL
1.35	0.242	0.60	6 760	23	0.871	0.59	745.9	1971	1984	TCPL
2.11	0.226	0.65	8 950	28	0.848	0.60	855.5	1980	1983	TCPL
11.30	0.131	0.80	10 500	46	0.830	0.79	1 214.2	1981	1983	TCPL NONCOMMERCIAL OIL
						0.64		1949	1987	CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION GAS FLOOD
1.96	0.196	0.70	5 960	38	0.895	0.64	984.0	1949	1987	CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION GAS FLOOD
						0.61		1949	1987	NUL CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION
0.91	0.184	0.50	6 000	42	0.897	0.61	985.1	1949	1987	NUL CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN CONCURRENT PRODUCTION
17.75	0.210	0.65	8 620	37	0.875	0.58	1 191.2	1979	1980	
17.70	0.200	0.65	8 620	39	0.795	0.78	1 211.9	1960	1973	NUL CWNGNUL BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
JOARCAM 048-21W4 (CONTINUED)									
OTHER	2 012			1 302	78	1 224		48 131	
TOTAL-JOARCAM	7 427			4 111	1 325	2 786		107 566	
JOFFRE 038-26W4									
BLAIRMORE J	429	0.85	0.10	336	250	86	40	3 453	486
UPPER MANNVILLE A	393	0.85	0.15	284			41		205
UPPER MANNVILLE B	73	0.65	0.10	42			40		200
BLAIRMORE C	457	0.85	0.10	350			40		1 485
U MANN A&B,BLAIR C TOTAL	923	0.85	0.10	676	505	171	40	6 884	
D-2 SOLN	3 497	0.36	0.60	504	472	32	43	1 369	
OTHER	3 557			1 746	183	1 563		61 695	
TOTAL-JOFFRE	8 416			3 262	1 410	1 852		73 401	
JOHN LAKE 055-01W4									
TOTAL-JOHN LAKE	997			603	18	585		21 334	
JOHNSON 016-14W4									
MILK RIVER A	535	0.70	0.05	356			36		3 833
MEDICINE HAT A	17	0.70	0.03	12			36		821
SECOND WHITE SPECKS A	137	0.75	0.05	98			36		2 427
SE ALTA GAS SYS(MU) TOTAL	689	0.70	0.05	466	11	455	36	16 589	
OTHER	335			227		227		8 494	
TOTAL-JOHNSON	1 024			693	11	682		25 083	
JOLI FOU (SA) 081-20W4									
TOTAL-JOLI FOU	42			22		22		781	
JOLIET 025-07W4									
TOTAL-JOLIET	113			80		80		2 977	
JOSEPHINE 083-09W6									
KISKATINAW A	991	0.70	0.05	659	518	141	41	5 727	1 600
OTHER	46			34		34		1 290	
TOTAL-JOSEPHINE	1 037			693	518	175		7 017	
JOUSSARD (SA) 074-14W5									
TOTAL-JOUSSARD	240			167		167		6 394	
JUDSON (SA) 007-12W4									
TOTAL-JUDSON	24			16		16		599	
JUDY CREEK 063-11W5									
VIKING A SOLN	288	0.65	0.30	131[b]			37		
VIKING A ASSOC	2 747	0.91	0.10	2 250[b]	2 250[b]	131	37	4 847	8 965
BEAVERHILL LAKE A SOLN	19 240	0.45	0.30	6 061	5 037	1 024	36	36 372	
BEAVERHILL LAKE B SOLN	7 599	0.46	0.20	2 797	2 205	592	36	21 028	
OTHER	664			436	-458	894		32 852	
TOTAL-JUDY CREEK	30 538			11 675	9 034	2 641		95 099	
JUDY CREEK SOUTH 062-12W5									
TOTAL-JUDY CREEK SOUTH	727			415	61	354		14 396	
JUMPBUSH 019-20W4									
BOW ISLAND 020-21	577	0.75	0.05	411		411	36	14 977	1 947
OTHER	796			520		520		20 139	
TOTAL-JUMPBUSH	1 373			931		931		35 116	
JUMPING POUND 025-04W5									
MISSISSIPPIAN	6 435	0.88	0.17	4 700			38		469
MISSISSIPPIAN	18 209	0.88	0.17	13 300			38		1 485
MISSISSIPPIAN TOTAL	24 644	0.90	0.15	18 000	14 304	3 696	38	139 820	
OTHER	154			97		97		3 889	
TOTAL-JUMPING POUND	24 798			18 097	14 304	3 793		143 709	
JUMPING POUND WEST 025-06W5									
RUNDLE C	22 059	0.85	0.20	15 000	5 812	9 188	37	343 356	4 084
RUNDLE A		0.85	0.20				38		7 891
RUNDLE B		0.85	0.20				38		1 143
RUNDLE A & B TOTAL	52 941	0.85	0.20	36 000	16 156	19 844	38	747 523	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.77	0.150	0.75	15 150	55	0.780	0.71	1 790.2	1957	1987	PANALTA TCPL
3.91	0.226	0.89	14 180	68	0.791	0.75	1 761.0	1967	1980	MATERIAL BALANCE
3.35	0.120	0.75	11 200	54	0.803	0.71	1 784.3	1964	1982	
1.68	0.147	0.70	16 110	56	0.785	0.71	1 825.3	1958	1985	
								1954	1984	CWNGNUL TCPL
						0.86		1956	1982	TCPL
3.80	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.48	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.73	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1987	TCPL
9.27	0.130	0.70	15 640	69	0.845	0.66	1 749.9	1974	1986	TCPL MATERIAL BALANCE
						0.62		1959	1986	A&S CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION
2.40	0.178	0.65	8 890	56	0.878	0.62	1 387.1	1959	1986	A&S CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION
						0.86		1959	1986	CWNG A&S DEEP CUT SL
						0.86		1959	1987	CWNG A&S PROGAS
2.69	0.215	0.65	7 380	29	0.881	0.58	1 134.5	1973	1975	DOME PROGAS
38.71	0.079	0.90	27 410	82	0.915	0.69	3 013.6	1944	1984	MATERIAL BALANCE DEEP CUT SL
43.28	0.079	0.90	27 410	82	0.915	0.69	2 989.5	1944	1984	MATERIAL BALANCE DEEP CUT SL
								1944	1983	CWNGNUL TCPL
40.58	0.061	0.85	29 470	83	0.917	0.74	3 478.1	1967	1986	CWNGNUL TCPL DEEP CUT SL
35.87	0.070	0.85	29 510	79	0.928	0.70	3 313.1	1961	1984	MATERIAL BALANCE TOP/BASE TVD DEEP CUT SL
36.82	0.068	0.85	29 600	88	0.936	0.70	3 588.5	1963	1986	MATERIAL BALANCE TOP/BASE TVD
								1961	1984	CWNGNUL TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
JUMPING POUND WEST 025-06W5 (CONTINUED)									
PEKISKO 19-026-06	475	0.85	0.15	343		343	39	13 459	200
MID TURNER VALL36-024-06	1 493	0.90	0.10	1 210		1 210	40	48 327	512
TURNER VALLY 36-024-06	722	0.90	0.20	520		520	40	20 618	512
OTHER	264			169		169		6 539	
TOTAL-JUMPING POUND WEST	77 954			53 242	21 968	31 274		1 179 822	
KAHNTAH (SA) 097-17W5									
TOTAL-KAHNTAH	63			38		38		1 424	
KAKISA (SA) 117-01W6									
TOTAL-KAKISA	20			14		14		511	
KAKUT 075-03W6									
TOTAL-KAKUT	354			249		249		9 843	
KAKWA 064-05W6									
KAKWA A CARDIUM A SOLN	1 387	0.65	0.25	677		677	43[a]	28 915	
KAKWA A CARDIUM A ASSOC	1 120	c	c	840		840	43[a]	35 876	3 432
OTHER	2 618			1 748	206	1 542		64 817	
TOTAL-KAKWA	5 125			3 265	206	3 059		129 608	
KALELAND (SA) 054-13W4									
TOTAL-KALELAND	146			99		99		3 713	
KARR 065-03W6									
BLUESKY A	13 961	0.75	0.15	8 900	933	7 967	40	322 345	20 660
OTHER	2 461			1 662	159	1 503		61 088	
TOTAL-KARR	16 422			10 562	1 092	9 470		383 433	
KAYBOB 064-19W5									
UPPER MANNVILLE A	123	0.70	0.05	82			39		150
NOTIKEWIN A	8 347	0.85	0.05	6 740			39		12 306
NOTIK A & U MANN A TOTAL	8 470	0.85	0.05	6 822	5 349	1 473	39	56 873	
NOTIKEWIN B	5 380	0.90	0.05	4 600	4 141	459	38	17 341	13 652
GETHING K SOLN	328	0.65	0.55	96[b]			39		
GETHING K ASSOC	2 026	0.85	0.10	1 550[b]	567[b]	1 079	39	42 243	1 972
GETHING H	731	0.75	0.10	493	8	485	40	19 158	1 408
BEAVERHILL LAKE A SOLN	8 756	0.40	0.20	2 802	2 464	338	43	14 493	
BEAVERHILL LAKE B SOLN	552	0.65	0.15	305[b]			41		
BEAVERHILL LAKE B ASSOC	121	0.75	0.10	82[b]	106[b]	281	41	11 440	333
BEAVERHILL LAKE C	1 960	c	c	1 500	131	1 369	41	56 252	2 457
OTHER	4 863			3 324	160	3 164		124 264	
TOTAL-KAYBOB	33 187			21 574	12 926	8 648		342 064	
KAYBOB SOUTH 060-18W5									
VIKING A	585	0.90	0.05	501	339	162	39	6 389	1 554
GETHING A	843	0.75	0.05	600	301	299	41	12 193	1 409
GETHING D	1 529	0.85	0.10	1 170	151	1 019	32	33 077	3 120
GETHING H ASSOC	1 867	0.75	0.05	1 330	95	1 235	39	47 992	3 607
CADOMIN A	1 216	0.90	0.05	1 040	465	575	39	22 316	815
CADOMIN B	411	0.90	0.10	334		334	41	13 527	202
CADOMIN D	507	0.85	0.05	409	362	47	39	1 829	440
CADOMIN K	484	0.75	0.05	345	275	70	39	2 718	200
TRIASSIC A SOLN	4 259	0.53	0.25	1 693	1 661	32	43[a]	1 389	
TRIASSIC A ASSOC	1 770	0.40	0.20	566	-153	719	43[a]	31 219	2 570
TRIASSIC B	2 206	0.80	0.15	1 500	428	1 072	40	43 341	1 721
NISKU A	486	0.90	0.10	393		393	42	16 321	440
BEAVERHILL LAKE A	104 424	c	c	36 400	13 297	23 103	40[a]	933 361	20 015
OTHER	6 020			3 905	492	3 413		138 270	
TOTAL-KAYBOB SOUTH	126 607			50 186	17 713	32 473		1 303 942	
KEHIWIN 059-06W4									
GRAND RAPIDS A	617	0.75	0.05	440	141	299	38	11 434	3 463
OTHER	756			478	126	352		13 147	
TOTAL-KEHIWIN	1 373			918	267	651		24 581	
KEHO 011-22W4									
TOTAL-KEHO	703			461	212	249		8 920	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
13.41	0.100	0.75	30 561	104	0.976	0.66	3 430.1	1977	1979	CWNGNUL TOP/BASE TVD
28.20	0.070	0.80	22 630	103	0.927	0.65	3 496.9	1983	1987	CWNGNUL TOP/BASE TVD
20.60	0.058	0.60	23 960	105	0.916	0.72	3 554.2	1983	1986	CWNGNUL TOP/BASE TVD
						0.85		1978	1987	TCPL SLPETRO GAS CYCLING
1.48	0.140	0.70	20 990	55	0.734	0.85	1 712.3	1978	1987	TCPL SLPETRO GAS CYCLING
3.81	0.124	0.70	19 560	69	0.796	0.77	2 307.1	1968	1987	KANNGAZ PANALTA SLPETRO
6.70	0.180	0.65	10 780	64	0.872	0.62	1 557.1	1964	1987	
4.03	0.200	0.65	10 550	40	0.826	0.63	1 442.7	1957	1987	MATERIAL BALANCE
								1957	1987	
2.84	0.159	0.65	9 790	56	0.875	0.61	1 504.9	1957	1986	A&S MATERIAL BALANCE
						0.66		1957	1986	CONCURRENT PRODUCTION
6.16	0.160	0.70	15 240	71	0.846	0.66	1 767.8	1957	1986	CONCURRENT PRODUCTION
3.63	0.146	0.70	14 540	75	0.849	0.67	1 874.2	1981	1985	
						0.79		1957	1987	A&S
						0.74		1961	1979	A&S CONCURRENT PRODUCTION
3.10	0.065	0.75	30 680	108	0.956	0.74	2 927.6	1961	1979	A&S CONCURRENT PRODUCTION
6.54	0.065	0.75	30 540	108	0.911	1.06	2 957.8	1961	1986	A&S GAS CYCLING
3.42	0.144	0.60	10 000	66	0.863	0.66	1 712.9	1960	1985	A&S MATERIAL BALANCE
4.01	0.139	0.70	14 790	83	0.879	0.62	2 153.7	1959	1983	PANALTA PROGAS
4.40	0.124	0.65	14 110	57	0.880	0.67	2 101.1	1977	1983	PANALTA DEEP CUT SL
4.25	0.140	0.65	14 570	80	0.877	0.63	2 009.6	1957	1987	PANALTA PROGAS TCPL PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
7.16	0.148	0.65	15 380	83	0.877	0.64	2 045.2	1958	1973	DOMEDOW A&S
5.79	0.148	0.65	16 580	84	0.866	0.68	2 129.0	1968	1973	DOMEDOW
8.02	0.150	0.65	15 130	80	0.873	0.64	2 000.7	1967	1986	A&S PRODUCTION DECLINE
6.40	0.148	0.65	14 630	80	0.875	0.64	2 058.1	1963	1987	PRODUCTION DECLINE
						0.81		1962	1986	A&S
3.92	0.127	0.75	17 060	73	0.760	0.81	2 066.0	1962	1986	A&S
3.47	0.111	0.80	19 310	91	0.867	0.70	2 376.6	1976	1986	DOMEDOW PROGAS TCPL MATERIAL BALANCE
12.20	0.050	0.80	28 270	108	0.932	0.73	2 907.7	1958	1984	A&S
31.12	0.079	0.80	31 720	115	0.880	1.01	3 219.3	1961	1985	A&S CNG GAS CYCLING
2.45	0.304	0.80	2 840	15	0.938	0.57	403.2	1971	1983	MIP TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
KELSEY 044-18W4									
BELLY RIVER B	612	0.75	0.05	436	253	183	38	6 890	4 901
OTHER	1 441			907	39	868		33 335	
TOTAL-KELSEY	2 053			1 343	292	1 051		40 225	
KEMP (SA) 098-23W5									
TOTAL-KEMP	14			9		9		333	
KENT 062-02W4									
GRAND RAPIDS B	655	0.70	0.05	436	59	377	38	14 138	4 638
OTHER	477			261	53	208		7 774	
TOTAL-KENT	1 132			697	112	585		21 912	
KETTLE (SA) 082-07W4									
TOTAL-KETTLE	21			12		12		441	
KIDNEY 091-04W5									
TOTAL-KIDNEY	13			7		7		259	
KILLAM 043-10W4									
UPPER & MIDDLE VIK. A	1 924	0.75	0.03	1 400	1 100	300	37	11 073	64 713
ELLERSLIE C	554	0.80	0.05	421	100	321	38	12 086	2 815
OTHER	7 656			5 036	1 340	3 696		138 284	
TOTAL-KILLAM	10 134			6 857	2 540	4 317		161 443	
KILLAM NORTH 044-13W4									
UPPER & MID VIKING A		0.70	0.03				37		55 971
BASAL MANNVILLE C		0.70	0.03				38		202
BASAL MANNVILLE U	42	0.65	0.05	26			37		150
NISKU A		0.70	0.03				37		32
U&M V A,BMN C&U &NIS TOTAL	1 677	0.70	0.05	1 135	875	260	37	9 654	
UPPER MANNVILLE P	463	0.75	0.05	330	103	227	37	8 499	1 365
OTHER	4 938			3 268	881	2 387		89 751	
TOTAL-KILLAM NORTH	7 078			4 733	1 859	2 874		107 904	
KILSYTH 065-04W5									
TOTAL-KILSYTH	40			25		25		908	
KIMIWAN 079-20W5									
TOTAL-KIMIWAN	267			181	82	99		3 642	
KINGMAN 049-19W4									
TOTAL-KINGMAN	416			271	31	240		9 054	
KINMUNDY 025-09W4									
TOTAL-KINMUNDY	49			32		32		1 228	
KIRBY 074-05W4									
UPPER MANNVILLE A	3 263	0.60	0.05	1 860	101	1 759	37	65 083	26 025
UPPER MANNVILLE C	2 930	0.60	0.05	1 670	53	1 617	37	60 314	45 262
UPPER MANNVILLE D	2 298	0.60	0.05	1 310	364	946	37	35 153	15 718
UPPER MANNVILLE I	9 347	0.50	0.05	4 440	1 880	2 560	37	94 720	37 248
UPPER MANNVILLE J	608	0.70	0.05	405		405	37	14 997	7 013
OTHER	1 869			1 003	90	913		34 139	
TOTAL-KIRBY	20 315			10 688	2 488	8 200		304 406	
KIRKWALL 027-05W4									
VIKING A	806	0.70	0.05	536	506	30	37	1 106	5 255
VIKING B	692	0.65	0.05	428	411	17	37	632	3 459
OTHER	186			126	9	117		4 417	
TOTAL-KIRKWALL	1 684			1 090	926	164		6 155	
KISKIU (SA) 057-02W6									
TOTAL-KISKIU	197			133		133		5 049	
KITSIM 017-16W4									
MILK RIVER A	188	0.70	0.05	125			36		2 970
MEDICINE HAT A	397	0.70	0.03	270			36		6 095
SE ALTA GAS SYS(MU) TOTAL	585	0.70	0.05	395		395	36	14 402	
OTHER	115			84	7	77		2 769	
TOTAL-KITSIM	700			479	7	472		17 171	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.01	0.276	0.50	2 870	16	0.940	0.57	429.8	1974	1985	LOC U TCPL
2.49	0.310	0.80	2 260	21	0.956	0.56	279.6	1965	1983	PANALTA
1.47	0.160	0.35	5 500	24	0.895	0.60	714.5	1917	1985	PANALTA TCPL PART OF VIK POOL NO.2 MATERIAL BALANCE CONCURRENT PRODUCTION
1.75	0.254	0.65	6 830	45	0.897	0.61	916.9	1957	1982	TCPL
1.15	0.160	0.35	5 500	24	0.895	0.60	714.5	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.91	0.240	0.50	6 070	28	0.891	0.60	827.5	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.75	0.250	0.60	6 480	31	0.887	0.59	924.9	1978	1986	PART OF VIK POOL NO.2
3.30	0.200	0.65	5 240	28	0.905	0.60	832.2	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1987	PANALTA TCPL A&S PART OF VIK POOL NO.2
4.44	0.228	0.55	5 790	28	0.898	0.57	822.8	1976	1986	TCPL
3.57	0.326	0.65	1 610	13	0.966	0.56	288.3	1977	1987	PANALTA PROGAS
2.14	0.310	0.65	1 490	18	0.970	0.55	312.7	1977	1983	PANALTA PROGAS
4.15	0.322	0.50	2 160	20	0.958	0.56	366.7	1977	1987	PANALTA PROGAS
5.91	0.308	0.65	2 110	22	0.959	0.56	410.4	1977	1987	PANALTA PROGAS
1.78	0.321	0.70	2 170	24	0.959	0.57	464.3	1978	1987	PANALTA PROGAS
1.19	0.300	0.60	6 570	31	0.893	0.57	796.6	1968	1987	DOMEDOW TCPL PRODUCTION DECLINE
1.88	0.290	0.55	6 600	31	0.891	0.58	757.5	1972	1985	PANALTA TCPL PRODUCTION DECLINE
2.50	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.51	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1987	PROGAS TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
KITTY 085-12W5									
TOTAL-KITTY	34			23		23		847	
KIYA (SA) 096-24W5									
TOTAL-KIYA	21			14		14		531	
KLESKUN (SA) 072-02W6									
TOTAL-KLESKUN	27			19		19		697	
KNAPPEN 001-11W4									
LOWER MANNVILLE G	528	0.80	0.05	401		401	37	14 661	200
OTHER	393			264	123	141		5 269	
TOTAL-KNAPPEN	921			665	123	542		19 930	
KNELLER 049-23W4									
TOTAL-KNELLER	619			373	221	152		5 710	
KNOPCIK 074-11W6									
DOE CREEK A	742	0.75	0.10	501	149	352	40	14 112	3 284
OTHER	2 247			1 468	224	1 244		48 834	
TOTAL-KNOPCIK	2 989			1 969	373	1 596		62 946	
KOTCHO (SA) 112-11W6									
TOTAL-KOTCHO	3			2		2		73	
LA COREY 063-05W4									
TOTAL-LA COREY	323			186		186		6 935	
LAC LA BICHE 067-13W4									
TOTAL-LAC LA BICHE	289			181	147	34		1 266	
LACOMBE 040-26W4									
TOTAL-LACOMBE	467			323	167	156		6 176	
LAIT 001-10W4									
LOWER MANNVILLE A	362	0.90	0.05	310	198	112	37	4 161	1 025
OTHER	507			359	123	236		8 712	
TOTAL-LAIT	869			669	321	348		12 873	
LAMBERT 051-22W5									
D-3 A	1 092	0.85	0.40	557	398	159	38	5 963	320
TOTAL-LAMBERT	1 092			557	398	159		5 963	
LAMONT 053-19W4									
TOTAL-LAMONT	77			50	1	49		1 835	
LANAWAY 036-03W5									
MANNVILLE ASSOC	529	0.70	0.15	315		315	40	12 528	748
OTHER	2 030			1 210	64	1 146		45 715	
TOTAL-LANAWAY	2 559			1 525	64	1 461		58 243	
LARNE 116-03W6									
TOTAL-LARNE	647			470		470		17 769	
LATHOM 020-18W4									
BOW ISLAND A	600	0.85	0.05	485	235	250	36	9 123	200
OTHER	2 859			1 857	478	1 379		52 954	
TOTAL-LATHOM	3 459			2 342	713	1 629		62 077	
LATHROP (SA) 088-07W6									
TOTAL-LATHROP	77			48		48		1 867	
LATOR 063-02W6									
WABAMUN 29-062-03	980	0.75	0.35	478		478	39	18 537	200
OTHER	755			486	5	481		19 565	
TOTAL-LATOR	1 735			964	5	959		38 102	
LATORNELL 063-01W6									
TOTAL-LATORNELL	28			19		19		741	
LAWRENCE 041-12W5									
TOTAL-LAWRENCE	697			460		460		18 147	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
15.50	0.320	0.85	5 820	23	0.893	0.58	742.8	1981	1983	
2.57	0.187	0.65	6 210	39	0.866	0.66	889.6	1964	1986	LOC U CWNGNUL PANALTA PROGAS
3.07	0.250	0.60	7 310	33	0.886	0.56	843.4	1969	1973	CMG
66.85	0.068	0.90	42 660	123	1.021	0.80	4 430.8	1979	1987	PANALTA PRODUCTION DECLINE
4.73	0.110	0.75	17 140	68	0.788	0.78	2 234.7	1979	1983	A&S PROGAS
13.88	0.210	0.55	8 530	36	0.877	0.58	1 019.7	1972	1987	TCPL MATERIAL BALANCE
22.50	0.095	0.85	38 910	135	1.006	0.81	3 956.0	1978	1984	BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	RAW GAS 1 INITIAL VOLUME IN PLACE 10^6m^3	RAW GAS 2 POOL RECOVERY frac	RAW GAS 3 SURFACE LOSS frac	MARKETABLE GAS 4 INITIAL ESTABLISHED RESERVES 10^6m^3	MARKETABLE GAS 5 NET CUMULATIVE PRODUCTION 10^6m^3	MARKETABLE GAS 6 REMAINING ESTABLISHED RESERVES 10^6m^3	MARKETABLE GAS 7 GROSS HEAT VALUE MJ/m^3	MARKETABLE GAS 8 REMAINING ENERGY CONTENT TJ	9 AREA ha
LEAHURST 039-18W4									
TOTAL-LEAHURST	3 515			2 233	160	2 073		80 980	
LEAMAN 055-11W5									
LOWER MANNVILLE F	733	0.85	0.10	561	366	195	40	7 870	1 668
NORDEGG B	1 094	0.85	0.10	837		837	41	34 158	1 745
OTHER	2 026			1 389	333	1 056		43 514	
TOTAL-LEAMAN	3 853			2 787	699	2 088		85 542	
LECKIE 019-17W4									
MILK RIVER A	549	0.70	0.05	365			36		5 874
MEDICINE HAT A	201	0.70	0.03	137			36		3 451
SE ALTA GAS SYS (MU) TOTAL	750	0.70	0.05	502	28	474	36	17 282	
OTHER	132			93	80	13		503	
TOTAL-LECKIE	882			595	108	487		17 785	
LEDDY 084-25W5									
TOTAL-LEDDY	66			42		42		1 599	
LEDUC-WOODBEND 050-26W4									
ELLERSLIE 051-26 ASSOC	989	0.85	0.15	715		715	40	28 285	1 975
BASAL QUARTZ 049-25	711	0.90	0.10	576		576	38	22 101	1 740
D-2 B SOLN	1 225	0.75	0.50	460	414	46	42	1 912	
D-2 A SOLN	3 761	0.62	0.30	1 632[b]			43		
D-2 A ASSOC	1 072	0.85	0.15	774[b]	2 004[b]	402	43	17 423	3 954
D-3 A SOLN	5 998	0.65	0.30	2 729[b]			40		
D-3 A ASSOC	11 540	0.89	0.15	8 730[b]	3 195[b]	8 264	40	331 882	6 753
OTHER	7 700			4 912	1 582	3 330		131 014	
TOTAL-LEDUC-WOODBEND	32 996			20 528	7 195	13 333		532 617	
LEECH (SA) 060-09W5									
TOTAL-LEECH	8			6		6		240	
LEEDALE 042-04W5									
GLAUCONITIC A	2 078	0.70	0.10	1 310	113	1 197	40	47 677	6 767
PEKISKO A	1 353	0.80	0.15	920	50	870	41	35 827	2 556
BANFF A	496	0.85	0.15	359	272	87	40	3 520	906
OTHER	1 966			1 332	64	1 268		50 330	
TOTAL-LEEDALE	5 893			3 921	499	3 422		137 354	
LEGAL 057-25W4									
TOTAL-LEGAL	150			96	74	22		849	
LEISMER 077-09W4									
CLEARWATER A	14 000	0.60	0.05	7 980	4 242	3 738	37	139 913	72 185
OTHER	937			499		499		18 545	
TOTAL-LEISMER	14 937			8 479	4 242	4 237		158 458	
LELAND 059-26W5									
TOTAL-LELAND	43			29		29		1 189	
LEMING 065-04W4									
TOTAL-LEMING	1 873			1 111	568	543		20 037	
LENNOX (SA) 045-02W5									
TOTAL-LENNOX	65			44		44		1 741	
LEO 035-17W4									
BELLY RIVER A	464	0.80	0.10	334	50	284	39	11 153	4 343
UPPER MANNVILLE F ASSOC	2 778	0.80	0.10	2 000	985	1 015	39	39 291	4 100
OTHER	661			405	60	345		13 219	
TOTAL-LEO	3 903			2 739	1 095	1 644		63 663	
LEOPARD 009-20W4									
TOTAL-LEOPARD	42			20	19	1		35	
LEPINE 064-03W5									
TOTAL-LEPINE	80			52		52		2 127	
LESSARD (SA) 124-17W5									
TOTAL-LESSARD	7			5		5		193	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.31	0.150	0.70	15 550	44	0.770	0.67	1 792.1	1972	1985	TCPL
7.14	0.121	0.60	12 070	62	0.847	0.65	1 638.2	1978	1984	PROGAS
3.70	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.35	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1911	1987	TCPL
3.81	0.180	0.70	10 000	55	0.831	0.71	1 316.7	1948	1984	PANALTA
2.23	0.200	0.70	10 340	49	0.826	0.69	1 353.3	1951	1973	
						0.78		1950	1985	LOC U
						0.79		1947	1986	LOC U GPP
12.56	0.020	0.80	12 290	66	0.764	0.79	1 539.2	1947	1986	LOC U GPP
						0.76		1947	1987	LOC U CWNGNUL CONCURRENT PRODUCTION
18.22	0.080	0.85	13 060	67	0.792	0.76	1 609.3	1947	1987	LOC U CWNGNUL CONCURRENT PRODUCTION
2.89	0.110	0.55	16 920	64	0.813	0.69	2 060.1	1970	1982	PROGAS TCPL
4.47	0.087	0.80	18 200	84	0.852	0.71	2 139.1	1970	1986	PROGAS TCPL
3.83	0.088	0.75	18 885	57	0.751	0.79	2 110.4	1979	1982	TCPL
4.92	0.330	0.60	1 980	21	0.962	0.55	269.8	1974	1984	DOMEDOW PANALTA PROGAS
2.14	0.262	0.55	3 270	18	0.923	0.62	533.1	1973	1987	PANALTA SLPETRO TCPL
5.07	0.215	0.70	8 030	35	0.835	0.66	1 125.2	1971	1987	CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
LETHBRIDGE 008-21W4									
TOTAL-LETHBRIDGE	19			14		14		524	
LIEGE 093-21W4									
WABISKAW A	2 548	0.50	0.05	1 210			37		43 473
WABISKAW D	120	0.50	0.05	57			37		2 607
NISKU-U IRE-GROSMNT A	5 895	0.40	0.05	2 240			36		91 471
GROSMONT A	6 843	0.40	0.05	2 600			37		73 438
GROSMONT F	66	0.50	0.05	31			36		788
L MANN-DEVONIAN MU#1 TOTAL	15 472	0.40	0.05	6 138	1 383	4 755	37	173 700	
MCMURRAY A	950	0.50	0.05	451	36	415	37	15 214	20 302
MCMURRAY C	1 225	0.50	0.05	582	22	560	37	20 507	31 519
LEDUC A	1 316	0.50	0.05	625	520	105	37	3 845	19 106
OTHER	615			365	40	325		11 896	
TOTAL-LIEGE	19 578			8 161	2 001	6 160		225 162	
LIMESTONE 033-10W5									
RUNDLE C	1 208	0.85	0.15	873	167	706	39	27 802	468
RUNDLE D	969	0.85	0.15	700	215	485	39	19 090	530
RUNDLE A	9 687	0.80	0.20	6 200			39		2 000
RUNDLE B	1 829	0.80	0.20	1 170			39		2 172
RUNDLE A & B TOTAL	11 516	0.80	0.20	7 370	2 653	4 717	39	184 954	
RUNDLE E	2 143	0.70	0.20	1 200			39		688
RUNDLE F	362	0.70	0.20	202			39		716
RUNDLE E & F TOTAL	2 505	0.70	0.20	1 402	219	1 183	39	46 350	
TURNER VALLEY 05-035-11	527	0.80	0.10	380		380	39	14 926	200
WABAMUN A	2 400	0.75	0.25	1 350	628	722	39	27 992	1 116
WABAMUN B	2 521	0.50	0.40	757	115	642	38	24 473	1 168
WABAMUN D	468	0.85	0.05	378		378	38	14 183	150
NISKU A	205	0.75	0.35	100			37		200
LEDUC A	1 229	0.75	0.35	599			37		200
NISKU A & LEDUC A TOTAL	1 434	0.75	0.35	699	260	439	37	16 397	
NISKU B	506	0.75	0.35	247			37		150
LEDUC B	715	0.85	0.35	395			38		150
NISKU B & LEDUC B TOTAL	1 221	0.80	0.35	642	176	466	38	17 475	
OTHER	1 041			672	91	581		22 029	
TOTAL-LIMESTONE	25 810			15 223	4 524	10 699		415 671	
LINDBERGH 057-05W4									
VIKING A	1 004	0.50	0.05	477	14	463	37	16 997	36 120
OTHER	5 595			3 574	980	2 594		96 480	
TOTAL-LINDBERGH	6 599			4 051	994	3 057		113 477	
LINK 034-17W4									
TOTAL-LINK	848			546	218	328		12 687	
LITTLE BOW 015-19W4									
UPPER MANNVILLE A	551	0.90	0.10	446	428	18	39	695	200
GLAUCONITIC 13-015-20	793	0.75	0.10	536		536	38	20 448	600
OTHER	6 658			4 129	724	3 405		130 459	
TOTAL-LITTLE BOW	8 002			5 111	1 152	3 959		151 602	
LITTLE SMOKY 067-22W5									
TOTAL-LITTLE SMOKY	492			339		339		13 653	
LITTLE SMOKY LAKE (SA) 075-22W5									
TOTAL-LITTLE SMOKY LAKE	102			72		72		2 729	
LIVOCK (SA) 085-23W4									
TOTAL-LIVOCK	2			1		1		37	
LLOYDMINSTER 050-01W4									
COLONY	610	0.60	0.05	348	225	123	35	4 323	4 600
SPARKY DD	510	0.70	0.05	339		339	35	11 696	2 724
OTHER	3 847			1 989	428	1 561		56 099	
TOTAL-LLOYDMINSTER	4 967			2 676	653	2 023		72 118	
LOCHEND 027-03W5									
CARDIUM A SOLN	1 232	0.65	0.20	641	70	571	41	23 342	
OTHER	119			74		74		3 073	
TOTAL-LOCHEND	1 351			715	70	645		26 415	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.91	0.332	0.50	900	16	0.981	0.57	214.3	1974	1987	
3.43	0.284	0.50	920	10	0.980	0.57	224.2	1979	1987	
14.45	0.201	0.25	920	27	0.983	0.58	264.7	1974	1987	
18.41	0.120	0.45	930	18	0.981	0.58	333.8	1963	1987	
7.79	0.150	0.80	900	16	0.981	0.58	236.5	1985	1985	
								1963	1987	KANNGAZ PANALTA PROGAS SOQUIP
3.68	0.287	0.50	890	18	0.982	0.57	299.7	1980	1987	KANNGAZ SIMCHEM
3.51	0.252	0.50	880	17	0.982	0.57	260.9	1980	1987	
15.38	0.144	0.35	890	17	0.982	0.57	289.6	1980	1987	SIMCHEM
16.64	0.074	0.90	23 780	62	0.875	0.66	2 674.3	1974	1987	TCPL PRODUCTION DECLINE
15.43	0.063	0.82	26 050	80	0.915	0.67	3 587.3	1975	1984	TCPL
32.85	0.077	0.88	24 460	83	0.898	0.68	3 019.3	1975	1986	TOP/BASE TVD
6.95	0.069	0.80	24 460	83	0.890	0.70	3 157.3	1975	1987	TOP/BASE TVD
								1975	1987	TCPL
30.17	0.062	0.76	24 660	83	0.899	0.68	3 232.1	1976	1986	TOP/BASE TVD
5.49	0.060	0.70	24 660	83	0.899	0.68	3 395.2	1976	1984	TOP/BASE TVD
								1976	1986	TCPL
30.78	0.060	0.80	26 440	149	0.999	0.62	3 836.2	1977	1979	CNG TCPL
21.60	0.053	0.80	31 160	116	0.970	0.72	3 624.2	1975	1987	TCPL TOP/BASE TVD
20.20	0.053	0.80	31 160	116	0.904	0.81	3 865.8	1976	1984	TCPL
28.47	0.057	0.80	30 440	93	0.985	0.58	3 554.5	1986	1987	TOP/BASE TVD
8.64	0.060	0.80	28 980	96	0.902	0.78	3 509.8	1976	1978	TOP/BASE TVD
55.69	0.050	0.80	31 890	91	0.903	0.80	3 610.8	1976	1977	TOP/BASE TVD
								1976	1978	TCPL
20.15	0.075	0.80	31 710	88	0.895	0.81	3 842.8	1976	1986	TOP/BASE TVD
25.30	0.085	0.80	31 930	89	0.905	0.80	3 913.1	1976	1986	TOP/BASE TVD
								1976	1986	TCPL
0.79	0.240	0.50	2 760	20	0.947	0.57	386.3	1946	1985	MIP PANALTA
6.10	0.175	0.65	11 580	39	0.813	0.67	1 214.5	1965	1986	TCPL PRODUCTION DECLINE
5.93	0.236	0.70	12 000	38	0.813	0.66	1 189.7	1980	1986	PANALTA TCPL NON COMMERCIAL OIL
4.30	0.300	0.60	3 050	19	0.943	0.58	532.8	1943	1985	CWNGNUL MATERIAL BALANCE COMPOSITE COLONY RESERVE, SLUSH OIL
2.01	0.290	0.75	4 110	21	0.928	0.58	611.4	1966	1984	PANALTA
						0.75		1961	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
LOCHINVAR (SA) 041-26W4									
TOTAL-LOCHINVAR	100			63		63		2 375	
LOGAN 072-13W4									
TOTAL-LOGAN	77			48		48		1 780	
LOMOND 018-12W4									
TOTAL-LOMOND	144			82		82		3 276	
LONE 089-04W6									
TOTAL-LONE	87			58		58		2 191	
LONE PINE CREEK 030-28W4									
WABAMUN A	14 996	0.75	0.27	8 210	5 965	2 245	38	84 883	20 942
D-3 A SOLN	557	0.65	0.30	253[b]			37		
D-3 A ASSOC	3 074	0.50	0.33	1 030[b]	984[b]	299	37	11 204	1 835
OTHER	655			400		400		15 079	
TOTAL-LONE PINE CREEK	19 282			9 893	6 949	2 944		111 166	
LONG COULEE 016-21W4									
GLAUCONITIC I	1 853	0.85	0.20	1 260	855	405	40	16 160	3 249
GLAUCONITIC L	1 985	0.80	0.20	1 270	1 068	202	41	8 181	1 306
SUNBURST D	947	0.90	0.15	724	55	669	41	27 723	1 358
SUNBURST G	2 334	0.80	0.25	1 400	1 160	240	40	9 713	3 206
OTHER	3 694			2 151	394	1 757		69 987	
TOTAL-LONG COULEE	10 813			6 805	3 532	3 273		131 764	
LOOKOUT BUTTE 001-28W4									
RUNDLE A	13 818	0.55	0.25	5 700	5 429	271	37	10 152	2 858
TOTAL-LOOKOUT BUTTE	13 818			5 700	5 429	271		10 152	
LOSEMAN (SA) 067-02W4									
TOTAL-LOSEMAN	43			23		23		856	
LOST 084-26W5									
TOTAL-LOST	67			43		43		1 632	
LOUISE (SA) 064-15W5									
TOTAL-LOUISE	156			98		98		4 058	
LOUSANA 036-21W4									
TOTAL-LOUSANA	71			39		39		1 458	
LOVETT RIVER 046-18W5									
RUNDLE A	1 753	0.50	0.10	789		789	39	31 031	1 142
TURNER VALLEY 21-046-19	475	0.75	0.15	303		303	38	11 520	200
OTHER	187			133		133		5 465	
TOTAL-LOVETT RIVER	2 415			1 225		1 225		48 016	
LUCKY 061-18W4									
TOTAL-LUCKY	781			518	165	353		13 202	
LUNNFORD 059-03W5									
TOTAL-LUNNFORD	373			245	5	240		9 344	
LYLE 073-18W4									
TOTAL-LYLE	114			65		65		2 407	
LYNDON (SA) 013-29W4									
TOTAL-LYNDON	106			72		72		2 836	
LYNX 062-09W6									
TOTAL-LYNX	1 022			690	238	452		17 996	
MAJEAU 056-04W5									
TOTAL-MAJEAU	2 365			1 617	317	1 300		51 501	
MAJORVILLE 018-19W4									
UPPER MANNVILLE E	429	0.80	0.10	309	104	205	40	8 274	150
UPPER MANNVILLE F	736	0.85	0.10	563	20	543	40	21 601	300
OTHER	1 336			883	33	850		34 716	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
10.04	0.055	0.80	24 610	83	0.880	0.76	2 417.2	1955	1984	PANALTA PROGAS TCPL MATERIAL BALANCE
						0.77		1963	1985	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
17.43	0.083	0.85	22 480	83	0.862	0.77	2 425.0	1963	1985	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
2.61	0.191	0.80	12 570	43	0.791	0.77	1 411.9	1974	1987	TCPL PANALTA
1.66	0.183	0.80	10 520	41	0.807	0.76	1 462.4	1967	1987	TCPL PRODUCTION DECLINE
3.79	0.185	0.65	13 140	43	0.773	0.75	1 425.7	1982	1987	TCPL NONCOMMERCIAL OIL
4.22	0.142	0.60	13 270	44	0.758	0.83	1 446.0	1960	1986	PANALTA TCPL MATERIAL BALANCE
35.16	0.065	0.80	32 850	88	0.936	0.97	3 675.4	1959	1984	TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
13.72	0.051	0.85	33 770	95	1.011	0.59	3 568.4	1958	1984	PANALTA TOP/BASE TVD
16.20	0.070	0.85	33 100	109	1.001	0.65	3 928.3	1979	1984	TOP/BASE TVD
18.00	0.160	0.70	12 450	40	0.798	0.65	1 362.3	1975	1987	PANALTA PROGAS
10.25	0.223	0.75	12 740	41	0.806	0.64	1 390.6	1981	1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
MAJORVILLE 018-19W4 (CONTINUED)									
TOTAL-MAJORVILLE	2 501			1 755	157	1 598		64 591	
MALMO 043-22W4									
D-3 B	1 813	0.85	0.15	1 310	238	1 072	35	37 306	981
OTHER	1 634			711	127	584		24 171	
TOTAL-MALMO	3 447			2 021	365	1 656		61 477	
MANIR 072-04W6									
TOTAL-MANIR	39			26		26		1 028	
MANITO 042-20W4									
TOTAL-MANITO	389			267	13	254		9 335	
MANNING (SA) 090-25W5									
TOTAL-MANNING	70			47		47		1 783	
MANNVILLE 051-08W4									
UPPER VIKING D	353	0.85	0.05	285			37		9 101
MIDDLE VIKING C	495	0.85	0.05	400			37		10 774
U VIK D & M VIK C TOTAL	848	0.85	0.05	685	209	476	37	17 450	
UPPER MANNVILLE C	796	0.70	0.05	529	465	64	37	2 390	2 523
UPPER MANNVILLE F	1 313	0.80	0.05	998	490	508	39	20 061	4 903
UPPER MANNVILLE H	754	0.80	0.05	573	465	108	39	4 265	5 501
OTHER	5 775			3 806	1 096	2 710		101 096	
TOTAL-MANNVILLE	9 486			6 591	2 725	3 866		145 262	
MANNVILLE SOUTH (SA) 049-08W4									
TOTAL-MANNVILLE SOUTH	252			159		159		5 834	
MANNY 076-21W4									
TOTAL-MANNY	56			32		32		1 193	
MANOLA 058-02W5									
TOTAL-MANOLA	447			298	83	215		8 207	
MANYBERRIES 005-05W4									
BOW ISLAND A	789	0.90	0.05	675	549	126	36	4 484	3 743
OTHER	2 131			1 418	449	969		37 100	
TOTAL-MANYBERRIES	2 920			2 093	998	1 095		41 584	
MANYBERRIES SOUTH (SA) 003-05W4									
TOTAL-MANYBERRIES SOUTH	88			67		67		2 477	
MARGIE 074-09W4									
TOTAL-MARGIE	106			54		54		2 006	
MARIE 065-02W4									
TOTAL-MARIE	584			333	40	293		10 950	
MARION LAKE 037-18W4									
TOTAL-MARION LAKE	133			84		84		3 226	
MARKERVILLE 036-02W5									
PEKISKO A	2 764	0.80	0.10	1 990	162	1 828	39	70 378	3 207
OTHER	422			283	62	221		8 617	
TOTAL-MARKERVILLE	3 186			2 273	224	2 049		78 995	
MARLBORO 055-19W5									
LEDUC A	6 123	0.70	0.30	3 000	1 019	1 981	37	73 772	679
TOTAL-MARLBORO	6 123			3 000	1 019	1 981		73 772	
MARLOWE (SA) 122-22W5									
TOTAL-MARLOWE	15			10		10		354	
MARSH (SA) 054-25W5									
TOTAL-MARSH	335			257		257		10 272	
MARTEN 077-04W5									
TOTAL-MARTEN	340			223		223		8 390	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
15.24	0.093	0.85	15 080	61	0.837	0.74	1 620.1	1959	1987	TCPL
0.75	0.218	0.50	4 480	21	0.914	0.58	537.8	1974	1984	
0.90	0.215	0.50	4 480	21	0.913	0.59	538.4	1972	1982	
								1972	1984	CWNGNUL PANALTA PROGAS TCPL
2.28	0.250	0.65	4 600	28	0.918	0.57	580.5	1970	1984	TCPL MATERIAL BALANCE
3.58	0.270	0.60	4 340	21	0.909	0.58	580.8	1971	1981	TCPL
1.76	0.270	0.60	4 460	19	0.904	0.58	539.5	1970	1981	CWNGNUL TCPL
2.67	0.290	0.70	5 930	27	0.902	0.59	792.7	1947	1985	CMG MATERIAL BALANCE
9.22	0.067	0.75	18 560	68	0.832	0.70	2 272.2	1976	1981	DOMEDOW A&S KANNGAZ PROGAS
59.46	0.068	0.90	34 520	130	0.987	0.73	3 688.0	1965	1987	A&S MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
MARTEN HILLS 075-25W4									
WABISKAW C	622	0.80	0.05	473	72	401	37	14 849	3 089
WABISKAW A	23 553	0.80	0.05	17 900			37		82 375
WABAMUN A	9 069	0.65	0.05	5 600			37		32 374
WBSK A & WAB A TOTAL	32 622	0.75	0.05	23 500	15 366	8 134	37	302 097	
WABAMUN C	1 404	0.75	0.05	1 000	3	997	37	36 889	8 284
OTHER	2 013			1 189	132	1 057		39 177	
TOTAL-MARTEN HILLS	36 661			26 162	15 573	10 589		393 012	
MARWAYNE 053-03W4									
TOTAL-MARWAYNE	390			257		257		9 405	
MATZIWIN 023-14W4									
MILK RIVER A	2 827	0.70	0.05	1 880			36		18 414
MEDICINE HAT A	2 106	0.70	0.03	1 430			36		16 605
MEDICINE HAT C	68	0.50	0.03	33			36		2 328
MEDICINE HAT D	208	0.50	0.03	101			36		5 922
SECOND WHITE SPECKS A	84	0.75	0.05	60			36		1 278
SE ALTA GAS SYS(MU) TOTAL	5 293	0.70	0.05	3 504	983	2 521	36	91 916	
OTHER	1 157			753	247	506		19 970	
TOTAL-MATZIWIN	6 450			4 257	1 230	3 027		111 886	
MAY (SA) 075-11W4									
TOTAL-MAY	17			13		13		485	
MCADAM (SA) 082-14W4									
TOTAL-MCADAM	5			3		3		111	
MCGREGOR 017-20W4									
SUNBURST 29-017-20	481	0.85	0.05	389		389	35	13 658	200
OTHER	434			291	1	290		10 889	
TOTAL-MCGREGOR	915			680	1	679		24 547	
MCGUFFIN (SA) 066-11W4									
TOTAL-MCGUFFIN	169			96		96		3 569	
MCKINLEY 065-22W5									
TOTAL-MCKINLEY	426			287	35	252		10 112	
MCLAUGHLIN 046-01W4									
TOTAL-MCLAUGHLIN	189			118	19	99		3 333	
MCLEOD 054-14W5									
CARDIUM A SOLN	13	0.60	0.10	7[b]			41		
CARDIUM A ASSOC	1 042	0.75	0.10	704[b]	490[b]	221	41	9 149	4 649
GETHING C	1 343	0.80	0.10	967	3	964	40	38 975	1 464
GETHING D	814	0.75	0.15	519	32	487	40	19 660	1 678
GETHING H	132	0.70	0.10	83			40		329
ROCK CREEK A	764	0.80	0.10	550			40		1 400
GETHING H & ROCK CK A TOTAL	896	0.80	0.10	633	52	581	40	23 141	
ELLERSLIE A	466	0.75	0.10	315	28	287	43	12 467	783
WINTERBURN 31-054-14	988	0.90	0.40	533		533	42	22 535	200
OTHER	674			442		442		17 486	
TOTAL-MCLEOD	6 236			4 120	605	3 515		143 413	
MCMILLAN 074-17W4									
TOTAL-MCMILLAN	766			460	335	125		4 665	
MCMULLEN 077-26W4									
WABISKAW A		0.65	0.05				37		1 239
WABAMUN A		0.65	0.05				37		200
WBSK A & WAB A TOTAL	514	0.65	0.05	317	231	86	37	3 195	
OTHER	134			74		74		2 752	
TOTAL-MCMULLEN	648			391	231	160		5 947	
MEADOW 062-25W4									
TOTAL-MEADOW	168			119	5	114		4 349	
MEANDER (SA) 115-21W5									
TOTAL-MEANDER	11			7		7		266	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.07	0.287	0.60	2 960	35	0.952	0.56	794.0	1971	1975	KANNGAZ PANALTA TCPL
5.23	0.278	0.65	2 700	27	0.951	0.56	685.8	1961	1985	MATERIAL BALANCE
11.39	0.138	0.55	2 710	28	0.952	0.57	712.8	1961	1982	
								1961	1982	PANALTA TCPL
4.66	0.211	0.65	2 740	35	0.954	0.57	775.4	1966	1987	TCPL
6.05	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.94	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.74	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.89	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.85	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CNG PANALTA PROGAS TCPL
12.70	0.200	0.70	13 000	43	0.865	0.58	1 420.0	1981	1982	PROGAS
						0.68		1972	1987	A&S TCPL PANALTA CONCURRENT PRODUCTION
4.52	0.096	0.55	9 260	56	0.852	0.68	1 508.6	1972	1987	A&S TCPL PANALTA CONCURRENT PRODUCTION
5.36	0.147	0.65	16 710	62	0.792	0.71	2 067.9	1980	1985	TCPL
3.70	0.125	0.60	16 140	63	0.781	0.74	2 127.3	1982	1986	TCPL
2.71	0.156	0.60	15 810	70	0.827	0.68	1 943.9	1987	1987	
3.97	0.142	0.60	16 220	70	0.834	0.67	1 953.2	1963	1987	
								1963	1987	
3.60	0.159	0.70	13 970	62	0.798	0.73	2 067.5	1982	1984	A&S PROGAS
27.76	0.080	0.80	26 480	80	0.767	0.90	2 652.7	1976	1977	BER
3.61	0.274	0.80	2 830	19	0.944	0.56	543.1	1968	1986	PRODUCTION DECLINE
5.86	0.165	0.60	2 630	19	0.948	0.56	547.9	1968	1986	PRODUCTION DECLINE
								1968	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
MEANOOK 063-22W4									
TOTAL-MEANOOK	1 556			1 070	510	560		21 456	
MEDALLION 019-27W4									
TOTAL-MEDALLION	317			207		207		7 988	
MEDICINE HAT 013-03W4									
MILK RIVER A	46 016	0.70	0.05	30 600			36		369 798
MEDICINE HAT A	79 302	0.65	0.03	50 000			36		473 775
SECOND WHITE SPECKS P	6	0.80	0.05	5			36		128
SECOND WHITE SPECKS J	413	0.80	0.05	314			36		5 180
LOWER COLORADO SAND A	351	0.75	0.05	250			36		5 560
MEDICINE HAT C	5 360	0.50	0.03	2 600			36		152 622
MEDICINE HAT D	4 928	0.50	0.03	2 390			36		130 090
SECOND WHITE SPECKS A	7 299	0.75	0.05	5 200			36		65 547
SECOND WHITE SPECKS M	11	0.80	0.05	9			36		200
SE ALTA GAS SYS(MU) TOTAL	143 686	0.65	0.05	91 368	64 928	26 440	36	963 738	
SECOND WHITE SPECKS D	2 076	0.70	0.05	1 380	405	975	36	34 700	25 446
SECOND WHITE SPECKS F	505	0.75	0.05	361		361	37	13 187	1 600
BOW ISLAND B	1 267	0.40	0.05	482	436	46	36	1 671	3 540
BOW ISLAND L	544	0.80	0.05	413	377	36	37	1 336	3 593
BOW ISLAND C	436	0.80	0.05	332	24	308	36	11 202	1 613
OTHER	5 437			3 798	1 145	2 653		96 228	
TOTAL-MEDICINE HAT	153 951			98 134	67 315	30 819		1 122 062	
MEDICINE LODGE 052-21W5									
VIKING A	786	0.90	0.10	636	68	568	42	23 697	1 856
WABAMUN 16-052-21	517	0.70	0.05	344		344	39	13 254	400
WABAMUN B 16-052-21	484	0.80	0.20	310		310	38	11 817	200
WABAMUN 33-051-21	675	0.85	0.20	459		459	38	17 497	200
OTHER	529			374		374		14 627	
TOTAL-MEDICINE LODGE	2 991			2 123	68	2 055		80 892	
MEDICINE RIVER 039-03W5									
GLAUCONITIC A SOLN	2 894	0.30	0.25	651[b]			41		
GLAUCONITIC A ASSOC	2 201	0.85	0.15	1 590[b]	639[b]	1 602	41	65 121	2 614
GLAUCONITIC D	157	0.75	0.10	106[b]			40		200
OSTRACOD A ASSOC	374	0.75	0.15	239[b]			39		1 268
OSTRACOD A SOLN	220	0.51	0.35	73[b]			39		
GLAUC D & OSTRACOD A TOTAL	751	0.70	0.20	418[b]	413[b]	5	40	198	
OSTRACOD C SOLN	89	0.60	0.45	29[b]			42		
OSTRACOD C ASSOC	1 813	0.85	0.15	1 310[b]	1 285[b]	54	42	2 241	2 735
BASAL QUARTZ D SOLN	29	0.65	0.40	11[b]			38		
BASAL QUARTZ D ASSOC	409	0.85	0.10	313[b]	37[b]	287	38	11 047	776
BASAL QUARTZ B ASSOC	54	0.70	0.10	34			38		138
BASAL QUARTZ B SOLN	1 800	0.40	0.45	396			38		
BASAL QUARTZ B ASSOC	821	0.80	0.10	591			38		679
BASAL QUARTZ B ASSOC	13	0.70	0.10	8			38		32
BASAL QUARTZ B TOTAL	2 688	0.55	0.30	1 029	176	853	38	32 755	
JURASSIC A ASSOC	176	0.70	0.15	105			41		372
JURASSIC A SOLN	1 086	0.35	0.50	190			41		
JURASSIC A ASSOC	32	0.70	0.15	19			41		32
JURASSIC A TOTAL	1 294	0.40	0.40	314	130	184	41	7 455	
JURASSIC D ASSOC	351	0.90	0.15	269			41		318
JURASSIC D SOLN	1 200	0.40	0.30	336			41		
JURASSIC D ASSOC	17	0.90	0.15	13			41		16
JURASSIC D ASSOC	55	0.90	0.15	43			41		32
JURASSIC D TOTAL	1 623	0.55	0.25	661	160	501	41	20 301	
JURASSIC M	594	0.75	0.10	401	150	251	38	9 608	200
PEKISKO N ASSOC	1 889	0.80	0.10	1 360		1 360	39	53 380	1 521
PEKISKO P	568	0.85	0.11	430	413	17	38	644	1 301
PEKISKO T	1 522	0.85	0.15	1 100	81	1 019	42	43 104	536
OTHER	10 610			5 920	1 162	4 758		191 044	
TOTAL-MEDICINE RIVER	28 974			15 537	4 646	10 891		436 898	
MEDLEY (SA) 068-02W4									
TOTAL-MEDLEY	52			25		25		916	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.92	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
3.88	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.80	0.165	0.60	5 735	19	0.895	0.57	562.8	1978	1987	
1.42	0.150	0.60	5 790	21	0.898	0.57	591.1	1977	1985	
1.13	0.160	0.50	6 520	25	0.890	0.56	753.3	1977	1979	
0.89	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.96	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.44	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
1.10	0.150	0.60	5 330	19	0.902	0.57	562.4	1981	1983	
								1904	1986	CWNGNUL MIP CTYMEDH PANALTA TCPL A&S CNG KANNGAZ PROGAS
1.60	0.180	0.55	4 900	23	0.914	0.58	650.2	1975	1982	MIP TCPL
1.83	0.216	0.60	5 690	27	0.904	0.56	693.5	1976	1985	TCPL
1.75	0.286	0.60	6 520	24	0.887	0.57	796.1	1948	1983	MIP TCPL MATERIAL BALANCE
1.49	0.220	0.70	6 120	23	0.891	0.56	660.1	1977	1985	CWNGNUL CNG
2.24	0.234	0.70	6 890	27	0.887	0.57	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1
1.55	0.120	0.80	35 920	85	1.002	0.74	2 862.7	1975	1978	PANALTA PROGAS
7.32	0.090	0.75	36 900	107	1.055	0.57	3 723.9	1977	1982	PROGAS TCPL
12.95	0.100	0.75	36 300	127	1.035	0.66	3 777.4	1977	1982	PROGAS TCPL
19.83	0.090	0.75	36 900	127	1.040	0.66	3 920.9	1979	1982	PROGAS
						0.76		1965	1987	PANALTA PROGAS TCPL A&S CONCURRENT PRODUCTION
3.35	0.130	0.75	26 150	66	0.851	0.76	2 203.0	1965	1987	PANALTA PROGAS TCPL A&S CONCURRENT PRODUCTION
4.27	0.130	0.75	18 460	69	0.812	0.73	2 073.6	1961	1982	
1.74	0.139	0.65	18 510	63	0.835	0.68	2 074.2	1961	1987	CONCURRENT PRODUCTION
						0.68		1961	1987	CONCURRENT PRODUCTION
								1961	1986	TCPL CONCURRENT PRODUCTION
						0.72		1963	1984	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.24	0.130	0.75	20 550	71	0.816	0.72	2 282.2	1963	1984	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.71		1962	1977	TCPL OIL POOL DEPLETED
3.28	0.139	0.70	15 620	60	0.807	0.71	2 094.6	1962	1977	TCPL OIL POOL DEPLETED
2.30	0.146	0.70	16 130	65	0.821	0.70	2 162.7	1959	1986	
						0.70		1959	1986	
7.12	0.146	0.70	16 130	64	0.819	0.70	2 107.3	1959	1986	
2.44	0.146	0.70	16 130	65	0.821	0.70	2 142.6	1959	1986	ASSIGNED WELL 16-20-39-3 W5
								1959	1986	TCPL
2.71	0.151	0.70	16 000	63	0.822	0.68	2 131.2	1956	1986	
						0.68		1956	1986	
5.49	0.157	0.70	16 000	63	0.822	0.68	2 120.2	1956	1984	
								1956	1986	A&S TCPL
6.55	0.145	0.70	16 130	63	0.822	0.68	2 125.7	1962	1987	
						0.68		1962	1987	
6.19	0.145	0.70	16 130	63	0.822	0.68	2 118.4	1962	1986	
10.19	0.145	0.70	16 130	63	0.822	0.68	2 118.4	1962	1986	
								1962	1987	TCPL
13.60	0.170	0.80	15 630	63	0.824	0.69	2 161.0	1981	1981	TCPL
9.41	0.110	0.75	15 980	71	0.826	0.71	2 133.9	1963	1982	PANALTA PROGAS TCPL
10.85	0.098	0.75	16 380	59	0.816	0.70	2 119.0	1963	1980	TCPL PRODUCTION DECLINE
18.06	0.116	0.80	15 030	59	0.760	0.73	2 152.9	1982	1987	A&S PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
MEEKWAP 066-15W5									
D-2 A SOLN	1 400	0.48	0.45	370	102	268	41	10 937	
TOTAL-MEEKWAP	1 400			370	102	268		10 937	
MEGA 101-07W6									
TOTAL-MEGA	58			35		35		1 328	
MEIKLE (SA) 099-17W5									
TOTAL-MEIKLE	33			19		19		705	
MELLOWDALE 060-03W5									
TOTAL-MELLOWDALE	191			130	34	96		3 895	
MEYER 070-25W4									
TOTAL-MEYER	989			613	168	445		16 783	
MICHICHI 030-18W4									
UPPER MANNVILLE B	136	0.75	0.10	92			41		888
LOWER MANNVILLE E	391	0.85	0.10	299			41		911
U MANN B & L MANN E TOTAL	527	0.80	0.10	391	63	328	41	13 405	
LOWER MANNVILLE B SOLN	173	0.65	0.10	101b			42		
LOWER MANNVILLE B ASSOC	818	0.80	0.10	589b	52b	638	42	26 873	1 967
OTHER	2 682			1 679	423	1 256		48 618	
TOTAL-MICHICHI	4 200			2 760	538	2 222		88 896	
MIKWAN 036-23W4									
VIKING B	1 510	0.65	0.10	884	593	291	41	11 922	8 256
OTHER	4 883			3 204	632	2 572		101 734	
TOTAL-MIKWAN	6 393			4 088	1 225	2 863		113 656	
MILLIGAN (SA) 097-13W6									
TOTAL-MILLIGAN	173			112		112		4 124	
MILLS 069-11W4									
TOTAL-MILLS	340			173	111	62		2 292	
MILO 019-23W4									
TOTAL-MILO	511			353		353		13 216	
MINEHEAD 049-19W5									
CARDIUM C	3 174	0.70	0.10	2 000	77	1 923	40	77 689	2 459
BEAVERHILL LAKE049-19	7 143	0.50	0.30	2 500		2 500	37	91 800	3 951
OTHER	637			407	3	404		15 912	
TOTAL-MINEHEAD	10 954			4 907	80	4 827		185 401	
MINNEHIK-BUCK LAKE 046-06W5									
ELLERSLIE A	28	0.80	0.10	20			42		200
JURASSIC A	485	0.85	0.15	350			44		1 264
ELRSL A & JUR A TOTAL	513	0.85	0.15	370	45	325	43	14 134	
PEKISKO A	28 105	0.85	0.10	21 500	15 341	6 159	43	262 681	27 649
BANFF 27-045-04	397	0.90	0.10	321		321	39	12 606	200
OTHER	2 541			1 510	174	1 336		52 901	
TOTAL-MINNEHIK-BUCK LAKE	31 556			23 701	15 560	8 141		342 322	
MINNOW 057-05W6									
TOTAL-MINNOW	93			70		70		2 538	
MIRAGE 079-07W6									
TOTAL-MIRAGE	248			170	9	161		6 153	
MISTAHAE 079-01W5									
TOTAL-MISTAHAE	185			121		121		4 498	
MISTY 033-05W4									
TOTAL-MISTY	212			143		143		5 449	
MITCHELL (SA) 049-20W5									
TOTAL-MITCHELL	190			136		136		4 576	
MITSUE 071-04W5									
VIKING B	514	0.70	0.05	342	66	276	38	10 391	150
GILWOOD A ASSOC	67	0.75	0.10	45b			35		327
GILWOOD A SOLN	12 535	0.52	0.25	4 889b			35		

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.75		1966	1987	A&S
1.62	0.172	0.50	9 710	38	0.810	0.68	1 311.7	1968	1985	
4.63	0.142	0.60	9 810	41	0.816	0.68	1 322.6	1975	1985	
								1968	1986	TCPL
						0.66		1980	1987	TCPL KANNGAZ CONCURRENT PRODUCTION
4.86	0.154	0.55	9 490	48	0.832	0.66	1 313.3	1980	1987	TCPL KANNGAZ CONCURRENT PRODUCTION
2.24	0.132	0.55	7 110	49	0.875	0.66	1 389.6	1968	1987	CNG TCPL MATERIAL BALANCE
5.12	0.139	0.80	23 670	73	0.858	0.69	2 416.6	1966	1987	
12.00	0.062	0.90	42 920	146	1.079	0.73	4 387.6	1973	1982	DOMEDOW PANALTA
0.80	0.100	0.85	19 463	58	0.803	0.70	2 081.4	1982	1983	
1.80	0.123	0.80	19 320	57	0.768	0.78	2 081.3	1980	1986	
								1980	1986	A&S PANALTA PROGAS
7.87	0.092	0.75	17 090	85	0.850	0.72	2 110.6	1952	1987	A&S PROGAS MATERIAL BALANCE
15.00	0.090	0.70	19 250	55	0.795	0.71	2 070.0	1981	1983	
7.80	0.300	0.85	2 980	23	0.944	0.55	438.8	1986	1987	PRODUCTION DECLINE
1.37	0.130	0.75	15 860	69	0.855	0.71	1 659.3	1964	1986	CONCURRENT PRODUCTION
						0.71		1964	1986	CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
MITSUE 071-04W5 (CONTINUED)									
GILWOOD A ASSOC	117	0.75	0.10	79[b]			36		200
GILWOOD A ASSOC	66	0.80	0.25	40[b]			39		200
GILWOOD A ASSOC	59	0.80	0.20	38[b]			41		200
GILWOOD A ASSOC	172	0.80	0.20	110[b]			38		200
GILWOOD A ASSOC	47	0.75	0.10	32[b]			33		200
GILWOOD A	20	0.70	0.10	13[b]			35		150
GILWOOD A TOTAL	13 083	0.55	0.25	5 246[b]	2 756[b]	2 490	36	88 619	
OTHER	1 670			1 061	305	756		28 108	
TOTAL-MITSUE	15 267			6 649	3 127	3 522		127 118	
MOBERLY (SA) 058-04W6									
TOTAL-MOBERLY	410			295		295		11 815	
MONITOR 034-04W4									
UPPER MANNVILLE A	1 115	0.80	0.10	803			39		4 659
UPPER MANNVILLE C	38	0.75	0.10	26			39		200
UPPER MANNVILLE A & C TOTAL	1 153	0.80	0.10	829	144	685	39	26 557	
OTHER	309			205	68	138		5 195	
TOTAL-MONITOR	1 462			1 035	212	823		31 752	
MONTAG (SA) 084-06W6									
TOTAL-MONTAG	19			13		13		508	
MONTGOMERY (SA) 012-28W4									
TOTAL-MONTGOMERY	44			29		29		1 154	
MOON CREEK (SA) 059-05W6									
TOTAL-MOON CREEK	337			268		268		9 473	
MOONEY (SA) 072-07W5									
TOTAL-MOONEY	105			74		74		2 334	
MOONSHINE 058-01W4									
TOTAL-MOONSHINE	1 234			734	185	549		19 890	
MOORE 067-04W4									
TOTAL-MOORE	893			489	4	485		18 008	
MOOSE 023-06W5									
RUNDLE A	4 888	0.60	0.25	2 200	99	2 101	40	83 683	2 657
RUNDLE B	946	0.60	0.20	454		454	40	18 069	200
WABAMUN 05-023-06	841	0.85	0.40	429		429	41	17 666	440
OTHER	1 108			202		202		7 520	
TOTAL-MOOSE	7 783			3 285	99	3 186		126 938	
MORGAN 051-04W4									
TOTAL-MORGAN	699			454	4	450		16 690	
MORINVILLE 055-25W4									
LOWER MANNVILLE A SOLN	8	0.60	0.05	5[b]			41		
LOWER MANNVILLE A ASSOC	808	0.80	0.10	581[b]	556[b]	30	41	1 223	2 462
LOWER MANNVILLE E	482	0.85	0.05	390	362	28	39	1 102	1 573
OTHER	3 131			2 047	843	1 204		47 403	
TOTAL-MORINVILLE	4 429			3 023	1 761	1 262		49 728	
MORKILL (SA) 054-10W5									
TOTAL-MORKILL	19			10		10		377	
MORLEY 026-07W5									
TOTAL-MORLEY	316			174	174				
MORNINGSIDE 042-28W4									
TOTAL-MORNINGSIDE	1 132			744	38	706		28 135	
MORSE (SA) 064-09W5									
TOTAL-MORSE	285			192		192		7 626	
MOSES (SA) 097-12W5									
TOTAL-MOSES	4			2		2		76	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.10	0.170	0.55	14 180	51	0.817	0.71	1 662.9	1964	1983	ASSIGNED WELL 10-23-069-03 W5M
1.85	0.130	0.65	17 370	60	0.702	0.92	1 665.1	1964	1983	ASSIGNED WELL 02-13-069-03 W5M
2.30	0.080	0.75	17 390	52	0.707	0.83	1 676.3	1964	1983	ASSIGNED WELL 02-36-068-03 W5M
4.20	0.150	0.65	17 930	60	0.730	0.88	1 677.6	1964	1983	ASSIGNED WELL 06-31-068-02 W5M
1.20	0.170	0.65	17 310	51	0.856	0.70	1 680.8	1964	1984	
1.20	0.120	0.70	12 080	45	0.824	0.70	1 670.3	1964	1987	ASSIGNED WELL 10-27-69-3 W5M
								1964	1986	TCPL CONCURRENT PRODUCTION
1.53	0.299	0.70	6 830	27	0.866	0.63	800.2	1974	1985	
1.85	0.280	0.50	6 780	27	0.866	0.64	811.4	1977	1983	
								1974	1985	TCPL
24.98	0.060	0.75	12 980	42	0.716	0.80	2 204.8	1960	1984	PROGAS TCPL
60.00	0.065	0.75	15 500	68	0.799	0.75	2 585.2	1978	1984	PROGAS TCPL
29.03	0.053	0.85	14 940	89	0.803	0.82	2 555.1	1977	1983	PROGAS TCPL TOP/BASE TVD
						0.67		1952	1986	NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
4.91	0.220	0.70	7 940	46	0.865	0.67	1 101.2	1952	1986	NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
4.27	0.181	0.70	8 000	46	0.874	0.64	1 082.0	1951	1982	NORCEN PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
MOSSLEIGH 021-24W4									
TOTAL-MOSSLEIGH	211			144	16	128		5 188	
MOUNTAIN 047-22W5									
TRIASSIC C	615	0.75	0.10	415	204	211	40	8 358	440
TURNER VALLEY A	480	0.75	0.10	324	68	256	39	9 999	440
OTHER	1 700			1 196	319	877		35 029	
TOTAL-MOUNTAIN	2 795			1 935	591	1 344		53 386	
MULLIGAN 081-08W6									
CADOMIN 15-081-09	386	0.85	0.05	312		312	37	11 610	150
OTHER	725			492		492		18 853	
TOTAL-MULLIGAN	1 111			804		804		30 463	
MURIEL LAKE 059-04W4									
MANNVILLE A	396	0.65	0.05	244			37		2 126
MANNVILLE A	190	0.70	0.05	126			37		1 794
MANNVILLE A TOTAL	586	0.65	0.05	370	215	155	37	5 740	
OTHER	105			63	1	62		2 314	
TOTAL-MURIEL LAKE	691			433	216	217		8 054	
MUSIDORA 052-10W4									
TOTAL-MUSIDORA	852			611	133	478		17 801	
MUSKIKI (SA) 044-19W5									
TOTAL-MUSKIKI	148			63		63		2 395	
MUSKWA (SA) 085-25W4									
TOTAL-MUSKWA	16			10		10		368	
MUSREAU 062-06W6									
TOTAL-MUSREAU	653			460	95	365		15 040	
MYSTERY 060-07W5									
TOTAL-MYSTERY	51			36		36		1 368	
NAMAKA 022-24W4									
TOTAL-NAMAKA	229			153		153		6 064	
NAMEPI CREEK (SA) 058-21W4									
TOTAL-NAMEPI CREEK	176			115		115		4 307	
NAMUR (SA) 096-15W4									
TOTAL-NAMUR	32			16		16		599	
NANTON (SA) 016-29W4									
TOTAL-NANTON	127			86		86		3 455	
NARRAWAY 064-12W6									
BELLOY 1 03-063-11	462	0.80	0.05	352		352	37	13 101	440
OTHER	73			55		55		2 142	
TOTAL-NARRAWAY	535			407		407		15 243	
NAYLOR (SA) 097-24W5									
TOTAL-NAYLOR	31			20		20		777	
NEERLANDIA 061-05W5									
TOTAL-NEERLANDIA	531			352	50	302		11 884	
NEGUS (SA) 060-26W5									
TOTAL-NEGUS	105			76		76		3 287	
NELSON 044-25W4									
TOTAL-NELSON	661			418		418		15 973	
NESTOW 060-24W4									
TOTAL-NESTOW	1 680			1 121	527	594		22 186	
NETOOK 063-10W6									
TOTAL-NETOOK	1 055			733		733		28 890	
NEVIS 039-22W4									
EDMONTON D	720	0.50	0.05	342	58	284	37	10 443	13 090

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
8.40	0.070	0.75	29 220	96	0.961	0.64	3 225.0	1980	1987	PANALTA PRODUCTION DECLINE TOP/BASE TVD
17.50	0.030	0.90	29 460	99	0.975	0.63	3 342.5	1980	1984	PANALTA
24.80	0.150	0.65	10 520	49	0.874	0.58	1 140.5	1985	1986	
1.71	0.300	0.55	2 860	16	0.942	0.57	389.8	1952	1980	MATERIAL BALANCE
1.87	0.250	0.70	3 100	17	0.938	0.56	408.4	1952	1977	
								1952	1980	
9.87	0.075	0.75	31 030	171	1.050	0.56	4 349.4	1977	1978	PROGAS BER
6.35	0.273	0.50	630	13	0.987	0.56	314.2	1979	1986	PANALTA TCPL PART OF EDMONTON POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
NEVIS 039-22W4 (CONTINUED)									
BELLY RIVER C	1 489	0.65	0.05	919	192	727	37	26 899	8 800
BLAIRMORE A	2 237	0.75	0.10	1 510	10	1 500	42	63 165	4 647
DEVONIAN ASSOC		0.55	0.15				37		6 285
DEVONIAN ASSOC		0.55	0.15				35		13 217
DEVONIAN TOTAL	36 578	0.55	0.15	17 100	17 033	67	36	2 416	
OTHER	2 598			1 620	84	1 536		59 187	
TOTAL-NEVIS	43 622			21 491	17 377	4 114		162 110	
NEW NORWAY 044-22W4									
TOTAL-NEW NORWAY	582			270	77	193		7 688	
NEWAND 065-04W6									
BLUESKY A	1 250	0.75	0.15	797	80	717	45	32 000	3 730
OTHER	230			159	82	77		3 249	
TOTAL-NEWAND	1 480			956	162	794		35 249	
NEWBROOK 062-20W4									
TOTAL-NEWBROOK	2 211			1 346	384	962		36 407	
NEWBY 081-05W4									
MCMURRAY A	1 098	0.50	0.05	522	35	487	37	18 141	4 446
OTHER	2 218			1 096	1	1 095		40 292	
TOTAL-NEWBY	3 316			1 618	36	1 582		58 433	
NEWELL 017-14W4									
MILK RIVER A	1 438	0.70	0.05	957			36		10 956
MEDICINE HAT A	104	0.70	0.03	71			36		3 303
MEDICINE HAT C	90	0.50	0.03	44			36		2 020
MEDICINE HAT D	38	0.50	0.03	18			36		1 377
SE ALTA GAS SYS (MU) TOTAL	1 670	0.70	0.05	1 090	399	691	36	25 194	
OTHER	141			95	23	72		2 789	
TOTAL-NEWELL	1 811			1 185	422	763		27 983	
NEWTON 058-03W5									
TOTAL-NEWTON	279			191		191		6 440	
NINA (SA) 092-20W5									
TOTAL-NINA	8			5		5		183	
NIOBE 035-27W4									
TOTAL-NIOBE	46			22		22		746	
NIPIN 074-21W4									
TOTAL-NIPIN	3			2		2		75	
NIPISI 079-08W5									
GILWOOD A SOLN	7 535	0.51	0.45	2 114	1 503	611	39	23 743	
OTHER	358			165	-245	410		15 287	
TOTAL-NIPISI	7 893			2 279	1 258	1 021		39 030	
NISKU (SA) 050-25W4									
TOTAL-NISKU	157			99		99		3 861	
NITON 054-13W5									
BASAL QUARTZ A ASSOC	1 336	0.75	0.10	902	341	561	41	22 721	3 284
ROCK CREEK F SOLN	752	0.40	0.30	211[b]			40		
ROCK CREEK F ASSOC	11 408	0.75	0.10	7 700[b]	1 965[b]	5 946	40	239 267	18 248
ROCK CREEK A	551	0.80	0.10	397	84	313	40	12 501	953
OTHER	1 530			1 001	215	786		30 774	
TOTAL-NITON	15 577			10 211	2 605	7 606		305 263	
NIXON 072-16W4									
LOWER MANNVILLE E	977	0.70	0.05	650	171	479	37	17 795	21 247
GROSMONT A	3 200	0.50	0.05	1 520	1 341	179	37	6 605	33 856
OTHER	375			204	47	157		5 823	
TOTAL-NIXON	4 552			2 374	1 559	815		30 223	
NORDEGG 041-17W5									
TRIASSIC A	448	0.85	0.05	362			37		1 192
RUNDLE A	389	0.55	0.05	203			39		746
TRIASSIC A & RUNDLE A TOTAL	837	0.70	0.05	565	272	293	38	11 099	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.88	0.245	0.45	2 020	22	0.962	0.56	490.8	1977	1987	PANALTA TCPL PART OF BR POOL NO.1
2.78	0.199	0.70	11 160	43	0.808	0.66	1 378.8	1952	1985	DOMEDOW PROGAS TCPL NONCOMMERCIAL OIL
17.95	0.062	0.85	16 150	56	0.799	0.76	1 686.7	1952	1987	PRODUCTION DECLINE OIL POOL DEPLETED
17.90	0.076	0.85	16 170	61	0.834	0.74	1 675.8	1952	1987	PRODUCTION DECLINE OIL POOL DEPLETED
								1952	1987	TCPL OIL POOL DEPLETED
2.89	0.096	0.65	20 240	94	0.844	0.77	2 356.4	1978	1987	PANALTA
7.33	0.284	0.70	1 650	14	0.965	0.56	207.5	1975	1987	TCPL
5.19	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.73	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
1.13	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.70	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1987	PANALTA TCPL
						0.84		1965	1987	TCPL
2.53	0.140	0.70	16 060	71	0.809	0.72	1 939.1	1965	1985	TCPL CONCURRENT PRODUCTION
						0.74		1965	1987	DOMEDOW TCPL CONCURRENT PRODUCTION
4.56	0.142	0.60	16 200	77	0.818	0.74	1 932.3	1965	1987	DOMEDOW TCPL CONCURRENT PRODUCTION
4.66	0.110	0.70	16 210	74	0.837	0.68	1 872.6	1981	1987	PRODUCTION DECLINE
2.10	0.240	0.40	2 280	24	0.957	0.56	445.6	1969	1986	NUL CWNGNUL
9.76	0.100	0.50	2 340	27	0.958	0.57	460.0	1969	1986	NUL CWNGNUL PRODUCTION DECLINE
5.84	0.058	0.85	12 620	46	0.861	0.57	1 489.6	1960	1982	
10.42	0.045	0.85	12 690	53	0.847	0.62	1 492.9	1960	1984	
								1960	1984	PROGAS TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
NORDEGG 041-17W5 (CONTINUED)									
TOTAL-NORDEGG	837			565	272	293		11 099	
NORMANDVILLE 080-22W5									
MISSISSIPPIAN A	613	0.90	0.10	497	359	138	39	5 397	732
OTHER	1 371			950	135	815		31 707	
TOTAL-NORMANDVILLE	1 984			1 447	494	953		37 104	
NORRIS 053-18W4									
MIDDLE VIKING A	532	0.80	0.05	405	45	360	38	13 691	8 668
LOWER VIKING A	634	0.80	0.10	456		456	40	18 235	7 037
OTHER	3 201			2 026	528	1 498		56 961	
TOTAL-NORRIS	4 367			2 887	573	2 314		88 887	
NORTH VALLEY (SA) 022-04W5									
TOTAL-NORTH VALLEY	918			585		585		22 921	
NORTHVILLE 052-10W5									
JURASSIC D	605	0.85	0.10	463	16	447	45	20 043	1 605
OTHER	367			257	31	226		8 687	
TOTAL-NORTHVILLE	972			720	47	673		28 730	
NOSEHILL 055-20W5									
WINTERBURN A	459	0.75	0.05	327		327	38	12 305	256
D-3 A	939	0.70	0.05	624	45	579	39	22 344	64
TOTAL-NOSEHILL	1 398			951	45	906		34 649	
O'CHIESE (SA) 045-10W5									
TOTAL-O'CHIESE	155			105		105		4 753	
OAK 083-06W6									
TOTAL-OAK	179			121		121		4 216	
OBED 054-23W5									
D-2 A	3 815	0.75	0.35	1 860	2	1 858	37	69 601	1 581
LEDUC 36-054-23	1 923	0.50	0.45	529		529	37	19 753	300
OTHER	888			606		606		23 759	
TOTAL-OBED	6 626			2 995	2	2 993		113 113	
OBERLIN 038-21W4									
MANNVILLE	801	0.70	0.10	505	428	77	39	3 000	789
OTHER	177			113		113		4 433	
TOTAL-OBERLIN	978			618	428	190		7 433	
OCHRE (SA) 090-16W5									
TOTAL-OCHRE	138			98		98		3 695	
OGSTON 089-10W5									
TOTAL-OGSTON	114			64		64		2 399	
OKOTOKS 021-28W4									
WABAMUN B	23 589	0.65	0.55	6 900	3 413	3 487	37	129 856	19 660
OTHER	1 029			587	55	532		21 212	
TOTAL-OKOTOKS	24 618			7 487	3 468	4 019		151 068	
OLDMAN 055-21W5									
TRIASSIC 056-21	2 084	0.80	0.10	1 500		1 500	40	59 655	2 485
OTHER	897			591		591		24 573	
TOTAL-OLDMAN	2 981			2 091		2 091		84 228	
OLSON (SA) 056-01W6									
TOTAL-OLSON	92			66		66		2 412	
OMEGA 046-01W4									
TOTAL-OMEGA	290			205		205		6 938	
OPABIN 044-18W5									
TOTAL-OPABIN	328			236		236		9 320	
OPEN CREEK 042-05W5									
TOTAL-OPEN CREEK	1 559			1 043	183	860		34 514	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.94	0.271	0.65	10 820	38	0.820	0.64	1 047.3	1956	1973	NUL CWNGNUL
0.77	0.252	0.60	4 950	24	0.899	0.61	677.1	1977	1983	TCPL
1.13	0.273	0.55	4 960	25	0.892	0.63	715.1	1972	1983	TCPL
2.82	0.099	0.80	17 160	76	0.828	0.71	1 976.4	1981	1986	
13.26	0.050	0.85	54 030	121	1.226	0.58	3 788.7	1972	1975	PROGAS
93.40	0.050	0.85	63 980	94	1.342	0.58	4 020.9	1972	1979	PROGAS
17.22	0.065	0.80	38 470	135	0.995	0.77	4 008.2	1956	1986	TCPL
37.00	0.073	0.85	38 610	135	0.964	0.82	2 936.8	1966	1986	TCPL
2.26	0.260	0.75	10 070	54	0.829	0.69	1 321.9	1949	1986	A&S PWGE PRODUCTION DECLINE
11.65	0.051	0.80	24 800	80	0.727	0.91	2 659.2	1951	1985	CWNGNUL KANNGAZ PANALTA TCPL MATERIAL BALANCE
3.83	0.140	0.80	24 540	106	0.942	0.66	2 896.9	1977	1984	PROGAS TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE ($10^6 m^3$)	2 RAW GAS: POOL RECOVERY (frac)	3 RAW GAS: SURFACE LOSS (frac)	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES ($10^6 m^3$)	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION ($10^6 m^3$)	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES ($10^6 m^3$)	7 MARKETABLE GAS: GROSS HEAT VALUE (MJ/m^3)	8 MARKETABLE GAS: REMAINING ENERGY CONTENT (TJ)	9 AREA (ha)
ORCHID 088-20W4									
TOTAL-ORCHID	15			8		8		294	
ORION 007-07W4									
TOTAL-ORION	380			269	62	207		7 592	
OSBORN 089-07W6									
TOTAL-OSBORN	252			160		160		6 218	
OSI (SA) 096-23W4									
TOTAL-OSI	127			85		85		3 055	
OWLSEYE 058-10W4									
TOTAL-OWLSEYE	697			456	27	429		16 143	
OXLEY (SA) 013-28W4									
TOTAL-OXLEY	166			120		120		4 966	
OYEN 029-05W4									
VIKING C	450	0.80	0.05	342	294	48	37	1 770	200
VIKING A	732	0.60	0.05	417			37		4 440
DETRITAL C	342	0.50	0.05	162			38		757
VIKING A & DETRITAL C TOTAL	1 074	0.55	0.05	579	480	99	37	3 686	
OTHER	1 117			707	398	309		11 582	
TOTAL-OYEN	2 641			1 628	1 172	456		17 038	
PADDLE RIVER 057-08W5									
JURASSIC-DETR-RUNDLE	12 824	0.70	0.12	7 900	6 389	1 511	40	60 727	18 434
RUNDLE ASSOC	1 152	0.85	0.10	881	11	870	40	34 826	4 408
OTHER	980			629	16	613		24 915	
TOTAL-PADDLE RIVER	14 956			9 410	6 416	2 994		120 468	
PAGEANT 018-21W4									
GLAUCONITIC 17-018-20	398	0.85	0.10	304		304	37	11 275	150
OTHER	553			356		356		13 847	
TOTAL-PAGEANT	553			356		356		13 847	
PAKOWKI LAKE 004-07W4									
BOW ISLAND A	510	0.80	0.05	388	363	25	34	861	6 888
BOW ISLAND B	376	0.85	0.05	304	211	93	37	3 479	1 575
OTHER	345			237	13	224		8 501	
TOTAL-PAKOWKI LAKE	1 231			929	587	342		12 841	
PALLISER 062-10W6									
TOTAL-PALLISER	74			50		50		2 109	
PANTHER RIVER 030-10W5									
RUNDLE A	763	0.75	0.15	486	11	475	37	17 513	200
RUNDLE B	782	0.75	0.20	470		470	38	17 667	200
TURNER VALLEY 29-029-10	1 887	0.75	0.30	991		991	37	37 093	300
OTHER	3 395			220		220		7 920	
TOTAL-PANTHER RIVER	6 827			2 167	11	2 156		80 193	
PARADISE 047-02W4									
TOTAL-PARADISE	283			185		185		6 453	
PARFLESH 025-22W4									
TOTAL-PARFLESH	1 122			635	85	550		21 970	
PARKER 070-05W5									
TOTAL-PARKER	148			85	82	3		115	
PARKLAND 015-28W4									
TOTAL-PARKLAND	482			323	38	285		11 357	
PARKLAND NORTHEAST 015-27W4									
LOWER MANNVILLE A	531	0.75	0.10	358	93	265	41	10 854	792
MOUNT HEAD 015-26	725	0.90	0.15	555		555	40	22 439	810
OTHER	811			570	236	334		13 711	
TOTAL-PARKLAND NORTHEAST	2 067			1 483	329	1 154		47 004	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.20	0.292	0.50	6 690	32	0.893	0.58	784.9	1951	1986	TCPL PRODUCTION DECLINE
1.26	0.301	0.55	6 670	34	0.895	0.57	765.1	1963	1985	PRODUCTION DECLINE
2.77	0.287	0.65	8 200	34	0.870	0.58	874.2	1963	1985	PRODUCTION DECLINE
								1963	1985	TCPL
6.20	0.145	0.35	12 230	60	0.823	0.69	1 533.9	1956	1987	NUL CWNGNUL PRODUCTION DECLINE
4.38	0.076	0.60	12 240	55	0.811	0.70	1 551.4	1956	1977	NUL CWNGNUL CONCURRENT PRODUCTION OIL DEPLETED
12.50	0.226	0.80	10 890	43	0.835	0.65	1 430.5	1987	1987	BER
1.27	0.258	0.70	5 540	27	0.911	0.59	667.8	1955	1987	CMG PRODUCTION DECLINE
2.09	0.277	0.70	5 720	33	0.903	0.59	702.0	1971	1972	CMG
35.00	0.060	0.85	24 130	78	0.915	0.66	3 936.6	1958	1984	
48.00	0.040	0.85	30 790	104	0.969	0.69	4 556.5	1973	1984	TOP/BASE TVD
53.90	0.047	0.85	39 280	102	1.020	0.74	4 587.4	1978	1987	TOP/BASE TVD
5.90	0.132	0.55	15 560	65	0.837	0.65	2 273.1	1979	1984	
4.95	0.123	0.75	19 800	64	0.852	0.66	2 113.3	1953	1979	BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
PASS 060-20W5									
TOTAL-PASS	689			454	91	363		14 844	
PASTECHO (SA) 079-06W5									
TOTAL-PASTECHO	27			17		17		665	
PAXON 065-21W4									
TOTAL-PAXON	87			53		53		1 983	
PEACOCK 014-27W4									
TOTAL-PEACOCK	24			16	11	5		198	
PEAK 119-05W6									
TOTAL-PEAK	33			22		22		762	
PEARL 030-16W4									
TOTAL-PEARL	103			65		65		2 606	
PEAVEY 056-24W4									
TOTAL-PEAVEY	492			311	178	133		5 023	
PEAVINE (SA) 075-20W5									
TOTAL-PEAVINE	11			7		7		262	
PECO 047-15W5									
GETHING A	4 376	0.70	0.20	2 450	629	1 821	41	74 825	4 815
JURASSIC A	662	0.90	0.15	507	156	351	41	14 366	1 152
JURASSIC B	1 317	0.75	0.10	889		889	40	35 338	1 971
OTHER	2 455			1 556	328	1 228		50 660	
TOTAL-PECO	8 810			5 402	1 113	4 289		175 189	
PEDIGREE (SA) 100-12W6									
TOTAL-PEDIGREE	232			141		141		5 600	
PEDLEY (SA) 053-25W5									
TOTAL-PEDLEY	1 392			944		944		41 851	
PEERLESS 079-22W4									
TOTAL-PEERLESS	93			60		60		2 251	
PEIGAN 008-08W4									
TOTAL-PEIGAN	145			108	5	103		3 707	
PELICAN 079-24W4									
TOTAL-PELICAN	704			463		463		17 256	
PEMBINA 048-07W5									
KEY BELLY RIVER A	1 188	0.70	0.05	790	627	163	38	6 240	2 207
BELLY RIVER SS	460	0.75	0.05	327	85	242	38	9 264	1 175
BELLY RIVER ZZ	594	0.75	0.10	401	282	119	39	4 662	1 846
BELLY RIVER A2A SOLN	22	0.45	0.35	7[b]			39		
BELLY RIVER A2A ASSOC	973	0.75	0.10	657[b]	138[b]	526	39	20 688	2 245
CARDIUM SOLN	113 280	0.34	0.47	20 413	11 883	8 530	40	344 612	
LOB GLAUCONITIC A	4 714	0.65	0.06	2 880	2 015	865	39	34 159	9 594
LOB GLAUCONITIC E		0.80	0.05				40		3 354
LOBSTICK GLAUC G		0.80	0.05				40		1 918
LOB GLAUCONITIC E & G TOTAL	5 000	0.80	0.05	3 800	1 573	2 227	40	88 357	
GLAUCONITIC I	3 876	0.70	0.06	2 550			39		4 547
LOBSTICK GLAUC D	192	0.70	0.10	121			39		200
OSTRACOD C	197	0.75	0.10	133			40		742
GLAUC I & LOB GLAUC D TOTAL	4 265	0.70	0.05	2 804	1 115	1 689	39	66 293	
NISKU L SOLN	620	0.82	0.20	406	145	261	43	11 100	
NISKU P SOLN	791	0.78	0.25	463	167	296	43	12 589	
NISKU Q SOLN	420	0.84	0.15	300	59	241	43	10 250	
OTHER	23 917			12 014	-1 183	13 197		533 330	
TOTAL-PEMBINA	156 244			45 262	16 906	28 356		1 141 554	
PENDANT D'OREILLE 004-09W4									
BOW ISLAND B	453	0.75	0.05	323	296	27	35	953	4 557
BOW ISLAND		0.85	0.05				35		17 914
BOW ISLAND F		0.85	0.05				35		8 399
BOW ISLAND G		0.85	0.05				35		970
BOW ISLAND H		0.85	0.05				35		1 926

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.85	0.133	0.85	38 500	102	1.035	0.77	3 048.4	1971	1987	TCPL DEEP CUT SL
4.21	0.140	0.50	20 680	93	0.824	0.84	3 116.9	1960	1987	NUL CWNGNUL DEEP CUT SL
3.77	0.112	0.75	20 700	93	0.885	0.67	3 115.4	1971	1987	TCPL
5.93	0.192	0.65	7 030	38	0.884	0.58	975.6	1956	1985	NUL CWNGNUL
3.30	0.201	0.60	6 580	27	0.868	0.60	925.8	1957	1987	A&S
3.26	0.214	0.65	6 510	27	0.869	0.63	883.3	1965	1987	CWNGNUL PANALTA
						0.68		1978	1987	CONCURRENT PRODUCTION
5.22	0.134	0.60	9 350	42	0.817	0.68	1 308.5	1978	1987	CONCURRENT PRODUCTION
						0.70		1953	1982	NUL A&S CWNGNUL TCPL PANALTA PROGAS
7.89	0.139	0.50	13 680	60	0.818	0.67	1 734.6	1957	1987	DOMEDOW A&S CWNGNUL MATERIAL BALANCE
7.91	0.148	0.55	13 640	56	0.806	0.67	1 700.8	1960	1987	MATERIAL BALANCE
4.78	0.140	0.60	13 640	56	0.806	0.67	1 693.6	1960	1987	MATERIAL BALANCE
								1960	1987	CWNGNUL KANNGAZ
7.35	0.136	0.55	14 860	59	0.821	0.66	1 854.0	1958	1987	PART OF GLAUC POOL NO.5
8.07	0.140	0.60	13 720	60	0.826	0.66	1 846.4	1960	1982	PART OF GLAUC POOL NO.5
1.81	0.139	0.65	15 870	64	0.823	0.67	1 886.1	1970	1987	A&S PART OF GLAUC POOL NO.5
								1958	1987	A&S PART OF GLAUC POOL NO.5
						0.80		1978	1986	
						0.80		1979	1987	
						0.80		1980	1986	
1.26	0.221	0.75	5 100	24	0.912	0.58	653.9	1954	1983	CMG MATERIAL BALANCE
2.60	0.252	0.70	4 670	24	0.920	0.58	620.4	1946	1983	MATERIAL BALANCE
1.45	0.255	0.65	4 950	24	0.916	0.58	685.7	1946	1983	MATERIAL BALANCE
1.34	0.200	0.65	4 850	20	0.913	0.58	635.6	1946	1983	MATERIAL BALANCE
1.37	0.209	0.70	4 850	20	0.913	0.58	653.4	1946	1983	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
PENDANT D'OREILLE 004-09W4 (CONTINUED)									
BOW ISLAND J		0.85	0.05				35		200
BOW ISL & BI FGH&J TOTAL	5 201	0.85	0.05	4 200	3 448	752	35	26 312	
MANNVILLE A	1 217	0.90	0.05	1 040	871	169	37	6 246	1 812
MANNVILLE C	1 220	0.85	0.05	985	844	141	37	5 220	1 417
OTHER	1 644			1 151	522	629		22 849	
TOTAL-PENDANT D'OREILLE	9 735			7 699	5 981	1 718		61 580	
PENHOLD 036-27W4									
LOWER MANNVILLE B	525	0.85	0.05	424	330	94	40	3 756	930
OTHER	1 729			1 102	48	1 054		41 324	
TOTAL-PENHOLD	2 254			1 526	378	1 148		45 080	
PEORIA 076-02W6									
TOTAL-PEORIA	379			272		272		10 215	
PEPPERS (SA) 052-24W5									
TOTAL-PEPPERS	613			431		431		15 871	
PERCY (SA) 033-04W4									
TOTAL-PERCY	120			86		86		3 139	
PERRYVALE 064-23W4									
TOTAL-PERRYVALE	151			104		104		3 942	
PERT (SA) 125-06W6									
TOTAL-PERT	4			3		3		113	
PETER 072-01W5									
TOTAL-PETER	15			9		9		360	
PETITOT (SA) 122-10W6									
TOTAL-PETITOT	48			31		31		1 174	
PHILOMENA 071-09W4									
TOTAL-PHILOMENA	544			276	71	205		7 516	
PHILP (SA) 002-12W4									
TOTAL-PHILP	46			29		29		1 059	
PHOENIX 039-10W5									
TOTAL-PHOENIX	294			170	57	113		5 352	
PICA (SA) 084-05W6									
TOTAL-PICA	26			19		19		721	
PINCHER CREEK 004-29W4									
RUNDLE A	44 927	0.30	0.31	9 300	9 146	154	38	5 778	5 666
TOTAL-PINCHER CREEK	44 927			9 300	9 146	154		5 778	
PINE CREEK 057-19W5									
CARDIUM H & I SOLN	1 019	0.62	0.20	506			41		
CARDIUM H & I TOTAL	1 019	0.60	0.20	506	271	235	41	9 602	
CADOMIN 11-057-20	494	0.80	0.10	356		356	39	13 734	300
NORDEGG A	4 984	0.70	0.10	3 140			39		8 338
TRIASSIC A	33	0.70	0.10	21			38		150
NORDEGG A & TRIASSIC TOTAL	5 017	0.70	0.10	3 161	404	2 757	39	107 358	
ELKTON A	681	0.85	0.15	492	267	225	39	8 739	400
WABAMUN	3 069	0.80	0.45	1 350	1 187	163	38	6 179	1 619
WABAMUN B	6 773	0.80	0.45	2 980	2 674	306	38	11 585	3 905
WABAMUN C	4 231	0.80	0.35	2 200	1 555	645	38	24 446	663
D-3	23 514	0.35	0.35	5 350	4 923	427	37	15 889	3 966
D-3 B	1 414	0.85	0.35	781		781	39	30 092	128
OTHER	2 782			1 659	25	1 634		66 393	
TOTAL-PINE CREEK	48 994			18 835	11 306	7 529		294 017	
PINE NORTHWEST 058-20W5									
D-3 A	8 991	0.35	0.25	2 360	1 803	557	37	20 486	1 305
OTHER	249			178	42	136		5 073	
TOTAL-PINE NORTHWEST	9 240			2 538	1 845	693		25 559	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.10	0.209	0.70	5 030	24	0.914	0.58	669.5	1957	1983	MATERIAL BALANCE
								1946	1983	CMG
6.10	0.214	0.65	7 930	30	0.873	0.57	845.3	1961	1971	CMG MATERIAL BALANCE
7.53	0.223	0.65	8 230	30	0.869	0.57	818.1	1965	1984	CMG MATERIAL BALANCE
10.67	0.116	0.75	16 200	71	0.804	0.75	1 899.9	1971	1983	A&S KANNGAZ MATERIAL BALANCE
107.59	0.040	0.80	34 080	89	0.951	0.76	3 810.0	1948	1983	TCPL PRODUCTION DECLINE GAS CYCLING
						0.71		1974	1982	
						0.71		1974	1982	CNG
7.30	0.142	0.75	23 750	84	0.894	0.68	2 808.1	1977	1987	
4.45	0.097	0.75	21 920	96	0.915	0.65	2 691.0	1965	1985	A&S PANALTA PROGAS TCPL
1.50	0.098	0.80	22 060	94	0.923	0.62	2 547.7	1976	1987	PROGAS TCPL TOP/BASE TVD
								1965	1987	
12.50	0.082	0.80	23 230	80	0.902	0.66	2 600.2	1968	1982	PANALTA
3.52	0.069	0.85	29 790	99	0.831	0.84	3 026.1	1957	1983	A&S PANALTA PROGAS MATERIAL BALANCE
6.61	0.069	0.85	29 500	99	0.851	0.81	3 130.3	1956	1983	PANALTA A&S PROGAS MATERIAL BALANCE
5.05	0.062	0.85	31 220	115	0.918	0.77	3 459.2	1958	1985	A&S MATERIAL BALANCE
39.14	0.070	0.85	31 550	113	0.913	0.78	3 360.1	1957	1987	A&S PANALTA PROGAS
54.89	0.096	0.85	29 410	106	0.895	0.77	3 384.5	1973	1984	A&S
47.50	0.064	0.90	32 060	116	0.961	0.71	3 250.2	1963	1982	A&S PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
PINEDALE 054-16W4									
TOTAL-PINEDALE	417			278	17	261		9 784	
PINEHURST 066-10W4									
TOTAL-PINEHURST	73			47		47		1 742	
PINGEL 081-07W6									
TOTAL-PINGEL	198			141		141		5 475	
PLACID 060-23W5									
TOTAL-PLACID	126			87		87		3 493	
PLAIN 053-12W4									
UPPER MANNVILLE F	652	0.75	0.05	465	424	41	37	1 519	2 140
UPPER MANNVILLE H	95	0.70	0.05	64			40		996
UPPER MANNVILLE K	193	0.70	0.05	128			38		794
UPPER MANNVILLE L	17	0.70	0.05	11			38		200
UPPER MANNVILLE M	9	0.70	0.05	6			38		128
SPARKY B	345	0.80	0.03	268			38		1 745
U MANN HKLM & SPKY B TOTAL	659	0.75	0.05	477	245	232	38	8 802	
UPPER MANNVILLE A	115	0.70	0.05	77			38		581
UPPER MANNVILLE B	64	0.70	0.05	43			38		128
COLONY A	278	0.65	0.05	172			38		1 424
SPARKY A	134	0.70	0.05	89			38		660
U MN AB,COL A & SPKY TOTAL	591	0.70	0.05	381	95	286	38	10 940	
COLONY F	530	0.85	0.05	428	230	198	37	7 399	2 885
COLONY B	361	0.70	0.05	240			38		1 708
COLONY C	112	0.80	0.05	86			38		200
COLONY B & C TOTAL	473	0.75	0.05	326	60	266	38	10 182	
LOWER MANNVILLE D		0.65	0.05				37		256
NISKU C		0.70	0.05				36		344
L MANN D & NISKU C TOTAL	506	0.70	0.05	336	252	84	37	3 079	
CAMROSE A	1 011	0.75	0.05	720	461	259	37	9 630	4 411
OTHER	6 519			4 363	1 640	2 723		102 742	
TOTAL-PLAIN	10 941			7 496	3 407	4 089		154 293	
PLANTE 055-22W5									
TOTAL-PLANTE	662			482		482		18 836	
PLEASANT 068-20W4									
TOTAL-PLEASANT	586			386	148	238		8 953	
PLUTO (SA) 044-15W5									
TOTAL-PLUTO	39			26		26		1 021	
POINT ALISON (SA) 052-04W5									
TOTAL-POINT ALISON	340			225		225		8 939	
POLLOCKVILLE 025-10W4									
LOWER MANNVILLE025-10	921	0.85	0.05	744		744	37	27 870	1 262
OTHER	130			93		93		3 568	
TOTAL-POLLOCKVILLE	1 051			837		837		31 438	
POMME (SA) 115-24W5									
TOTAL-POMME	17			10		10		375	
PONOKA 043-26W4									
TOTAL-PONOKA	66			45		45		1 663	
PONY (SA) 080-08W4									
TOTAL-PONY	18			10		10		375	
PORTAGE 078-17W4									
MCMURRAY-GROSMONT A	1 533	0.60	0.05	874			37		17 399
MCMURRAY-GROSMONT A	1 378	0.50	0.05	655			37		17 420
MCMURRAY-GROSMONT A TOTAL	2 911	0.55	0.05	1 529	1 362	167	37	6 187	
OTHER	212			110		110		4 086	
TOTAL-PORTAGE	3 123			1 639	1 362	277		10 273	
POTOGO (SA) 095-21W5									
TOTAL-POTOGO	9			7		7		266	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.87	0.280	0.60	4 620	24	0.914	0.57	724.6	1968	1981	TCPL MATERIAL BALANCE
1.26	0.250	0.55	5 170	24	0.895	0.60	647.2	1959	1978	
1.26	0.300	0.55	5 210	24	0.902	0.57	657.8	1959	1982	PRODUCTION DECLINE
1.20	0.210	0.60	5 200	23	0.901	0.57	656.6	1975	1983	
0.90	0.270	0.50	5 170	24	0.903	0.57	672.7	1975	1983	
2.53	0.275	0.55	4 900	24	0.908	0.57	673.9	1958	1974	
								1958	1983	TCPL
2.40	0.275	0.55	5 100	24	0.899	0.58	647.4	1952	1986	
5.55	0.275	0.60	5 140	24	0.901	0.57	639.2	1959	1986	
2.00	0.275	0.70	4 790	24	0.905	0.58	607.4	1952	1986	
2.60	0.275	0.55	4 900	24	0.907	0.58	665.1	1952	1976	
								1952	1982	CWNGNUL TCPL
1.83	0.300	0.65	4 830	21	0.907	0.57	604.3	1970	1978	TCPL
2.15	0.275	0.70	4 930	29	0.909	0.58	609.6	1958	1978	
5.55	0.275	0.70	4 960	24	0.906	0.57	603.5	1968	1969	
								1958	1978	TCPL
1.50	0.250	0.60	4 670	24	0.914	0.57	714.8	1970	1985	MATERIAL BALANCE
4.65	0.180	0.55	4 670	27	0.918	0.57	723.9	1970	1986	MATERIAL BALANCE
								1970	1985	TCPL
2.64	0.150	0.60	4 650	33	0.923	0.57	733.7	1968	1981	NUL CWNGNUL TCPL MATERIAL BALANCE
3.64	0.253	0.70	10 100	29	0.840	0.58	991.3	1980	1987	PROGAS
2.68	0.350	0.55	1 700	20	0.966	0.56	358.4	1972	1982	
15.45	0.120	0.25	1 700	20	0.967	0.57	369.0	1972	1982	
								1972	1982	KANNGAZ

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
POUCE COUPE 080-12W6									
PEACE RIVER A	4 816	0.75	0.02	3 540	3 283	257	38	9 740	11 891
KISKATINAW D	3 684	0.80	0.05	2 800	355	2 445	39	94 206	3 712
OTHER	2 616			1 834	306	1 528		59 447	
TOTAL-POUCE COUPE	11 115			8 174	3 944	4 230		163 393	
POUCE COUPE SOUTH 078-12W6									
PEACE RIVER A	969	0.70	0.03	658	650	8	38	304	6 809
PEACE RIVER B	1 284	0.70	0.02	881	876	5	38	190	4 962
GETHING A	526	0.90	0.03	459	459	< 1	38	-	400
CADOMIN 077-11	459	0.80	0.05	349		349	38	13 412	901
BOUNDARY B SOLN	899	0.65	0.25	438	41	397	43	16 980	
DOIG B	2 930	0.80	0.10	2 110	255	1 855	39	73 198	2 756
OTHER	2 190			1 496	260	1 236		48 606	
TOTAL-POUCE COUPE SOUTH	9 257			6 391	2 541	3 850		152 690	
PRAIRIE RIVER (SA) 070-14W5									
TOTAL-PRAIRIE RIVER	146			99		99		4 000	
PRESLEY 059-19W5									
TOTAL-PRESLEY	481			351	133	218		9 008	
PRESPATOU (SA) 088-13W6									
TOTAL-PRESPATOU	166			106		106		4 111	
PREVO 039-01W5									
PEKISKO B	1 250	0.60	0.10	675	575	100	40	3 950	604
OTHER	1 151			677	201	476		19 718	
TOTAL-PREVO	2 401			1 352	776	576		23 668	
PRINCESS 020-11W4									
MILK RIVER A	11 684	0.70	0.05	7 770			36		87 450
MEDICINE HAT A	6 407	0.70	0.03	4 350			36		83 907
MEDICINE HAT C	736	0.50	0.03	357			36		26 646
MEDICINE HAT D	522	0.50	0.03	253			36		18 374
SECOND WHITE SPECKS A	7 761	0.75	0.05	5 530			36		66 465
SE ALTA GAS SYS(MU) TOTAL	27 110	0.70	0.05	18 260	6 470	11 790	36	429 863	
BASAL MANNVILLE A	506	0.90	0.05	432	141	291	38	11 075	425
BASAL MANNVILLE M	769	0.60	0.05	438	429	9	38	346	739
JEFFERSON B	1 014	0.90	0.20	730	526	204	38	7 662	3 285
OTHER	3 036			2 187	1 148	1 039		40 125	
TOTAL-PRINCESS	32 435			22 047	8 714	13 333		489 071	
PRITCHARD 061-01W4									
TOTAL-PRITCHARD	26			17	4	13		478	
PROGRESS 077-09W6									
HALFWAY B SOLN	707	0.65	0.10	414	34	380	40	15 082	
HALFWAY A	2 392	0.85	0.10	1 830	290	1 540	42	64 387	2 798
UPPER BELLOY 078-09	843	0.75	0.05	600		600	31	18 468	992
MIDDLE BELLOY 078-09	766	0.75	0.05	546		546	35	19 296	1 194
OTHER	3 289			2 318	78	2 240		89 648	
TOTAL-PROGRESS	7 997			5 708	402	5 306		206 881	
PROVINCE 008-11W4									
TOTAL-PROVINCE	57			40		40		1 426	
PROVOST 037-07W4									
BELLY RIVER B	454	0.70	0.05	302	67	235	37	8 726	2 644
VIKING CAK & MANN E ASSOC	50 000	0.75	0.04	36 000b			38		469 193
VIKING CAK & MANN E SOLN	2 325	0.12	0.20	223b			38		
VIKING CAK & MANN E TOTAL	52 325	0.70	0.05	36 223b	25 367b	10 856	38	415 893	
VIKING L	651	0.70	0.05	433			37		7 976
VIKING O	29	0.65	0.01	19			38		363
VIKING L & O TOTAL	680	0.70	0.05	452	118	334	37	12 311	
BASAL COLORADO D	457	0.80	0.05	348	32	316	39	12 245	3 606
BASAL COLORADO A	903	0.70	0.05	600			38		4 662
MANNVILLE M	21	0.65	0.05	13			38		200
BSL COLO A & MANN M TOTAL	924	0.70	0.05	613	65	548	38	20 950	
MANNVILLE Q	645	0.80	0.05	490	166	324	37	11 998	440
MANNVILLE Z	1 109	0.85	0.10	849	663	186	40	7 446	2 479

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.39	0.180	0.70	4 290	33	0.926	0.57	710.6	1943	1985	A&S WCOAST PRODUCTION DECLINE
7.01	0.095	0.80	21 350	86	0.908	0.62	2 345.3	1974	1985	PROGAS WCOAST A&S PANALTA
2.02	0.200	0.60	5 600	41	0.914	0.56	978.9	1956	1979	WCOAST MATERIAL BALANCE
8.26	0.168	0.70	5 540	40	0.913	0.57	1 010.1	1953	1986	WCOAST A&S PRODUCTION DECLINE
6.70	0.145	0.80	13 410	64	0.869	0.61	1 517.1	1958	1986	
3.95	0.146	0.70	13 000	64	0.870	0.62	1 542.0	1979	1982	WCOAST
						0.79		1980	1985	PANALTA PROGAS WCOAST
8.18	0.098	0.80	17 770	75	0.876	0.62	1 912.4	1977	1986	WCOAST PROGAS
9.69	0.071	0.60	16 490	61	0.812	0.68	2 013.9	1958	1986	TCPL PRODUCTION DECLINE
5.28	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.77	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.70	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.72	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.51	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	KANNGAZ PANALTA TCPL
6.98	0.200	0.70	10 690	31	0.821	0.62	970.2	1940	1966	
2.79	0.250	0.50	10 800	35	0.832	0.62	995.2	1958	1977	MATERIAL BALANCE
4.12	0.080	0.75	10 980	38	0.804	0.81	1 200.0	1940	1973	TCPL
						0.64		1976	1986	PANALTA
5.63	0.121	0.75	17 650	77	0.857	0.64	1 881.5	1977	1986	PANALTA
5.70	0.133	0.70	18 940	83	0.945	0.64	2 049.7	1980	1984	SOQUIP
3.94	0.140	0.70	19 230	83	0.924	0.59	2 066.3	1980	1985	SOQUIP
3.60	0.280	0.70	2 340	14	0.952	0.55	306.2	1971	1980	
1.60	0.220	0.38	5 890	29	0.890	0.60	765.0	1946	1985	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.60		1946	1985	MATERIAL BALANCE CONCURRENT PRODUCTION
								1946	1985	CWNGNUL PANALTA TCPL KANNGAZ PROGAS CONCURRENT PRODUCTION
1.23	0.220	0.50	5 860	33	0.902	0.60	888.1	1952	1987	
0.88	0.250	0.60	5 800	30	0.894	0.61	929.4	1957	1987	
								1952	1987	
1.10	0.250	0.70	6 310	33	0.890	0.59	983.6	1951	1977	PROGAS
2.53	0.200	0.60	6 130	34	0.890	0.60	928.8	1963	1984	
1.24	0.200	0.70	5 900	35	0.896	0.62	930.9	1976	1984	
								1975	1984	TCPL
3.50	0.300	0.80	6 140	30	0.893	0.59	804.3	1972	1985	TCPL MATERIAL BALANCE
2.23	0.295	0.80	7 790	33	0.852	0.62	1 063.9	1949	1986	LOC U TCPL PANALTA MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
PROVOST 037-07W4 (CONTINUED)									
UPPER MANNVILLE AA	830	0.85	0.05	671	441	230	40	9 191	2 251
UPPER MANNVILLE E2E	6 815	0.75	0.10	4 600			39		13 089
LOWER MANNVILLE FF	87	0.70	0.10	55			40		528
U MANN E2E&L MANN FF TOTAL	6 902	0.75	0.10	4 655	1 235	3 420	39	133 927	
LOWER MANNVILLE EE	527	0.80	0.05	401	260	141	38	5 334	400
OTHER	16 663			10 926	1 683	9 243		345 615	
TOTAL-PROVOST	81 516			55 930	30 097	25 833		983 636	
PUSKWASKAU 074-01W6									
TOTAL-PUSKWASKAU	1 258			737		737		33 521	
PYRAMID 105-10W6									
TOTAL-PYRAMID	49			33		33		1 289	
QUEENSTOWN 019-21W4									
TOTAL-QUEENSTOWN	111			80		80		3 185	
QUIGLEY (SA) 083-14W4									
TOTAL-QUIGLEY	2			1		1		37	
QUIRK CREEK 021-04W5									
RUNDLE A	13 000	0.80	0.25	7 800	5 650	2 150	40	86 602	2 250
RUNDLE E	1 736	0.50	0.25	651	239	412	40	16 464	300
RUNDLE 15-021-05	802	0.80	0.25	482		482	43	20 620	200
OTHER	953			439	197	242		9 563	
TOTAL-QUIRK CREEK	16 491			9 372	6 086	3 286		133 249	
RACOSTA 031-11W4									
TOTAL-RACOSTA	567			385	45	340		13 331	
RADWAY 059-20W4									
TOTAL-RADWAY	622			415	2	413		15 605	
RAINBOW 110-06W6									
BLUESKY A	5 954	0.70	0.05	3 960			37		51 456
BLUESKY A	1 108	0.50	0.05	526			37		13 227
BLUESKY A	47	0.50	0.05	23			37		1 259
BLUESKY A	82	0.50	0.05	39			37		1 533
BLUESKY A	5	0.70	0.05	4			37		150
BLUESKY A	13	0.70	0.05	9			37		150
BLUESKY A	3	0.70	0.05	2			37		150
BLUESKY A	18	0.70	0.05	12			37		150
BLUESKY A	21	0.70	0.05	14			37		150
BLUESKY A	7	0.70	0.05	5			37		150
BLUESKY A TOTAL	7 258	0.65	0.05	4 594	1 418	3 176	37	117 798	
KEG RIVER B SOLN	3 403	0.72	0.30	1 715	1 122	593	39	23 085	
KEG RIVER F SOLN	4 286	0.70	0.45	1 650	1 585	65	43	2 813	
KEG RIVER II SOLN	586	0.75	0.30	308	209	99	41	4 077	
KEG RIVER A SOLN	3 409	0.88	0.30	2 100[b]			41		
KEG RIVER A ASSOC	1 173	0.90	0.10	950[b]	-192[b]	3 242	41	134 219	104
KEG RIVER F ASSOC	671	0.85	0.15	485	-38	523	43	22 635	601
KEG RIVER O SOLN	1 625	0.80	0.25	975[b]			40		
KEG RIVER O ASSOC		0.75	0.10		7[b]	968	40	38 807	
KEG RIVER AA SOLN	1 835	0.79	0.40	870[b]			44		
KEG RIVER AA ASSOC		0.75	0.10		2[b]	868	44	37 758	
KEG RIVER Q	565	0.85	0.10	432		432	40	17 384	64
KEG RIVER FFF	626	0.90	0.20	450	311	139	42	5 795	64
OTHER	13 388			6 658	911	5 747		232 379	
TOTAL-RAINBOW	38 825			21 187	5 335	15 852		636 750	
RAINBOW SOUTH 107-09W6									
KEG RIVER A SOLN	1 007	0.54	0.50	272[b]			39		
KEG RIVER A ASSOC	428	0.85	0.15	309[b]	277[b]	304	39	11 996	84
KEG RIVER B SOLN	1 056	0.80	0.40	507[b]			44		
KEG RIVER B ASSOC	150	0.75	0.25	85[b]	-120[b]	712	44	31 107	37
OTHER	5 216			2 625	885	1 740		68 561	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.96	0.225	0.65	9 280	37	0.833	0.64	1 072.2	1975	1987	CWNGNUL MATERIAL BALANCE
4.70	0.203	0.65	7 820	35	0.860	0.62	1 125.1	1974	1987	
1.59	0.193	0.65	7 680	37	0.852	0.65	1 145.2	1982	1985	
								1974	1987	CWNGNUL KANNGAZ PANALTA PROGAS TCPL
3.60	0.146	0.60	7 810	35	0.855	0.63	1 126.2	1984	1986	PANALTA TCPL MATERIAL BALANCE
43.39	0.080	0.80	15 720	49	0.745	0.76	1 921.5	1967	1984	TCPL MATERIAL BALANCE TOP/BASE TVD
59.25	0.063	0.80	18 550	73	0.787	0.80	2 799.9	1973	1985	TCPL TOP/BASE TVD
33.50	0.080	0.80	18 100	70	0.802	0.76	2 595.8	1975	1982	TCPL
5.32	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1987	PART OF BLSKY POOL NO.1
3.85	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.72	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1985	PART OF BLSKY POOL NO.1
2.45	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.60	0.210	0.40	2 520	19	0.948	0.58	332.7	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-30-108-2 W6M
3.90	0.210	0.40	2 520	19	0.948	0.58	361.5	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-3-108-3 W6M
1.50	0.120	0.40	2 520	19	0.948	0.58	328.1	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-2-109-3 W6M
4.57	0.200	0.50	2 520	19	0.948	0.58	276.5	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-36-110-2 W6M
6.90	0.200	0.40	2 520	19	0.948	0.58	485.7	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 3-2-110-8 W6M
2.00	0.210	0.40	2 520	19	0.948	0.58	249.6	1972	1985	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-26-111-2 W6M
								1972	1987	PANALTA TCPL PART OF BLSKY POOL NO.1
						0.79		1965	1986	
						0.87		1966	1986	
						0.77		1967	1983	
						0.81		1965	1986	DRY GAS BREAKTHROUGH
59.10	0.110	0.94	17 690	75	0.783	0.81	1 833.7	1965	1986	DRY GAS BREAKTHROUGH
17.03	0.052	0.65	17 100	72	0.727	0.87	1 792.2	1966	1986	
						0.72		1966	1983	GAS BREAKTHROUGH
						0.72		1966	1983	GAS BREAKTHROUGH
						0.80		1967	1986	CONING SECONDARY GAS CAP
						0.80		1967	1986	CONING SECONDARY GAS CAP
85.04	0.073	0.90	16 510	76	0.851	0.69	1 758.9	1967	1984	
122.19	0.046	0.80	17 690	60	0.694	0.93	1 862.0	1966	1968	
						0.72		1965	1986	GPP
31.09	0.098	0.90	18 330	68	0.823	0.72	1 872.8	1965	1986	GPP
						0.95		1966	1986	DRY GAS BREAKTHROUGH
20.51	0.100	0.90	18 330	68	0.698	0.95	1 876.3	1966	1986	DRY GAS BREAKTHROUGH

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE $10^6 m^3$	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES $10^6 m^3$	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION $10^6 m^3$	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES $10^6 m^3$	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
RAINBOW SOUTH 107-09W6 (CONTINUED)									
TOTAL-RAINBOW SOUTH	7 857			3 798	1 042	2 756		111 664	
RAINIER 017-15W4									
TOTAL-RAINIER	460			317	14	303		11 224	
RAMBLING 090-07W6									
TOTAL-RAMBLING	39			25		25		942	
RANFURLY 050-12W4									
TOTAL-RANFURLY	1 506			1 027	406	621		23 510	
RASPBERRY (SA) 066-17W5									
TOTAL-RASPBERRY	107			72		72		2 922	
RATZ (SA) 126-18W5									
TOTAL-RATZ	68			47		47		1 831	
REAGAN 001-19W4									
TOTAL-REAGAN	171			82	22	60		2 174	
RED CAP (SA) 046-20W5									
TOTAL-RED CAP	562			389		389		15 399	
RED COULEE 001-17W4									
TOTAL-RED COULEE	19			14	11	3		118	
RED EARTH 087-08W5									
TOTAL-RED EARTH	432			227		227		8 655	
RED FISH (SA) 092-08W5									
TOTAL-RED FISH	27			15		15		550	
RED ROCK 063-07W6									
TOTAL-RED ROCK	1 230			879	213	666		27 563	
RED WILLOW 040-17W4									
VIKING C	249	0.75	0.05	178			37		3 348
VIKING D	426	0.60	0.05	243			37		4 381
VIKING C & D TOTAL	675	0.65	0.05	421	93	328	37	12 205	
OTHER	2 500			1 603	344	1 259		47 424	
TOTAL-RED WILLOW	3 175			2 024	437	1 587		59 629	
REDLAND 027-22W4									
UPPER MANNVILLE A	1 022	0.90	0.04	883	752	131	40	5 194	600
OTHER	462			326	226	100		3 858	
TOTAL-REDLAND	1 484			1 209	978	231		9 052	
REDWATER 057-21W4									
UPPER VIKING A	2 553	0.80	0.05	1 940[b]			38		48 865
MIDDLE VIKING A	783	0.80	0.05	595[b]			39		11 540
LOWER VIKING A ASSOC	329	0.80	0.05	250[b]			40		2 849
LOWER VIKING A SOLN	104	0.60	0.25	47[b]			40		
UV A & MV A & LV A TOTAL	3 769	0.80	0.05	2 832[b]	707[b]	2 125	39	82 471	
D-3 SOLN	7 452	0.62	0.65	1 617	1 541	76	49	3 698	
OTHER	3 590			2 359	456	1 903		71 450	
TOTAL-REDWATER	14 811			6 808	2 704	4 104		157 619	
REINE (SA) 081-22W5									
TOTAL-REINE	37			25		25		997	
REITA 059-03W4									
TOTAL-REITA	193			125		125		4 573	
RESDELN (SA) 083-06W4									
TOTAL-RESDELN	214			107		107		3 994	
RETLAW 012-18W4									
BASAL COLORADO B	466	0.85	0.05	376	220	156	36	5 688	3 898

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.11	0.154	0.70	5 970	31	0.898	0.59	987.4	1971	1986	
1.24	0.191	0.65	6 100	33	0.897	0.59	992.4	1953	1987	
								1953	1987	DOMEDOW CNG PANALTA PROGAS TCPL
3.34	0.190	0.70	10 670	54	0.819	0.69	1 487.0	1961	1987	CWNG CWNGNUL PRODUCTION DECLINE
0.81	0.240	0.50	5 240	33	0.906	0.60	703.8	1947	1987	PART OF VIK POOL NO.1
0.96	0.200	0.60	5 670	33	0.895	0.60	702.3	1947	1981	PART OF VIK POOL NO.1
0.94	0.220	0.60	5 450	21	0.882	0.60	624.8	1947	1987	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						0.60		1947	1987	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
								1947	1987	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						1.04		1948	1987	
1.25	0.183	0.60	8 820	30	0.850	0.61	945.7	1960	1987	A&S TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEAT VALUE	REMAINING ENERGY CONTENT	
	10^6m^3	frac	frac	10^6m^3	10^6m^3	10^6m^3	MJ/m^3	TJ	ha
RETLAW 012-18W4 (CONTINUED)									
MANNVILLE Y	1 030	0.85	0.20	701	256	445	38	17 070	328
MANNVILLE B & D ASSOC	1 567	0.90	0.05	1 340			39		960
MANNVILLE B & D TOTAL	1 567	0.90	0.05	1 340	790	550	39	21 533	
MANNVILLE K	328	0.90	0.15	251			38		587
MANNVILLE L	91	0.75	0.15	58			38		200
MANNVILLE K & L TOTAL	419	0.85	0.15	309	48	261	38	9 939	
GLAUCONITIC 24-012-18	544	0.85	0.10	416		416	40	16 524	200
OTHER	8 696			5 682	1 308	4 374		168 049	
TOTAL-RETLAW	12 722			8 824	2 622	6 202		238 803	
RIBSTONE 042-04W4									
TOTAL-RIBSTONE	1 135			757	157	600		21 193	
RICH 035-21W4									
LOWER MANNVILLE A	1 777	0.75	0.10	1 200	531	669	39	25 757	4 610
LOWER MANNVILLE D	530	0.80	0.10	382	172	210	38	8 077	812
OTHER	1 026			645	132	513		19 753	
TOTAL-RICH	3 333			2 227	835	1 392		53 587	
RICHDALE 030-12W4									
VIKING A	1 090	0.80	0.05	828			39		9 326
VIKING C	577	0.80	0.05	439			39		4 823
VIKING F	136	0.75	0.05	97			38		440
VIKING A,C & F TOTAL	1 803	0.80	0.05	1 364	616	748	39	28 963	
OTHER	3 562			2 415	695	1 720		67 554	
TOTAL-RICHDALE	5 365			3 779	1 311	2 468		96 517	
RICHMOND 069-19W4									
TOTAL-RICHMOND	129			80	53	27		1 022	
RICINUS 035-08W5									
CARDIUM Q SOLN	548	0.85	0.10	419	39	380	41	15 458	
CARDIUM W SOLN	585	0.85	0.25	373	52	321	43	13 681	
CARDIUM A SOLN	2 653	0.85	0.15	1 917[b]			40		
CARDIUM A ASSOC	7 444	0.92	0.10	6 164[b]	531[b]	7 550	40	301 925	2 455
CARDIUM B ASSOC	547	c	c	340		340	40[a]	13 750	349
CARDIUM F SOLN	73	0.75	0.30	39[b]			40		
CARDIUM F ASSOC	2 222	0.80	0.10	1 600[b]	406[b]	1 233	40	49 850	827
CARDIUM L ASSOC	1 014	0.85	0.10	776	-160	936	41	37 936	650
CARDIUM SD 06-036-08	452	0.80	0.10	326		326	41	13 346	128
CARDIUM AAA	681	0.85	0.10	521		521	41	21 507	150
VIKING A	637	0.75	0.10	430			41		529
VIKING A	1 358	0.75	0.10	917			41		1 433
VIKING A TOTAL	1 995	0.75	0.10	1 347	167	1 180	41	48 392	
VIKING D	1 288	0.80	0.05	979	48	931	41	37 873	128
VIKING #1THRUST32-032-07	454	0.80	0.10	327		327	40	13 096	150
FLT VIKING 01-033-07	425	0.80	0.10	306		306	42	12 736	150
D-3 A	11 668	0.40	0.40	2 800	1 220	1 580	37	58 934	1 561
D-3 B	2 246	0.85	0.45	1 050	99	951	37	35 501	442
OTHER	6 305			3 913	668	3 245		130 831	
TOTAL-RICINUS	40 600			23 197	3 070	20 127		804 816	
RICINUS WEST 036-10W5									
D-3 A	49 494	0.90	0.45	24 500	19 791	4 709	38	178 047	2 591
OTHER	318			252	228	24		975	
TOTAL-RICINUS WEST	49 812			24 752	20 019	4 733		179 022	
RINGS 080-05W6									
TOTAL-RINGS	95			67		67		2 560	
RIVERCOURSE 047-01W4									
TOTAL-RIVERCOURSE	674			467	51	416		14 529	
RIVIERE 055-27W4									
TOTAL-RIVIERE	317			211	11	200		8 991	
ROBIN (SA) 013-20W4									
TOTAL-ROBIN	242			167		167		6 220	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.30	0.260	0.90	11 790	35	0.780	0.75	1 073.8	1974	1980	TCPL MATERIAL BALANCE
2.03	0.221	0.70	11 860	35	0.803	0.68	1 076.1	1959	1982	MATERIAL BALANCE
								1959	1982	TCPL CONCURRENT PRODUCTION
2.46	0.222	0.75	11 350	30	0.782	0.71	1 083.0	1954	1985	
4.01	0.190	0.65	8 320	35	0.836	0.71	1 097.4	1954	1976	
								1954	1985	TCPL
20.45	0.164	0.60	11 420	31	0.790	0.66	1 080.8	1981	1983	KANNGAZ
3.58	0.177	0.65	8 720	59	0.867	0.66	1 429.4	1953	1985	DOMEDOW PANALTA TCPL MATERIAL BALANCE
3.31	0.208	0.75	8 580	59	0.869	0.66	1 394.2	1973	1985	CNG PANALTA TCPL MATERIAL BALANCE
1.36	0.198	0.55	7 420	35	0.868	0.61	931.0	1955	1984	
1.59	0.190	0.50	7 490	35	0.873	0.60	940.6	1955	1984	
3.05	0.230	0.55	7 380	29	0.870	0.60	965.0	1970	1983	
								1955	1984	SLPETRO TCPL
						0.67		1971	1986	TCPL CNG
						0.71		1975	1987	TCPL
						0.67		1969	1986	CNG TCPL GAS CYCLING, CONING GAS CAP
9.41	0.146	0.90	27 080	77	0.902	0.67	2 684.1	1969	1986	CNG TCPL GAS CYCLING, CONING GAS CAP
6.70	0.143	0.65	27 060	81	0.863	0.85	2 649.9	1969	1987	A&S TCPL GAS CYCLING
						0.68		1969	1986	TCPL CNG MATERIAL BALANCE CONCURRENT PRODUCTION
10.25	0.132	0.85	14 000	62	0.810	0.68	1 970.8	1969	1986	TCPL CNG MATERIAL BALANCE CONCURRENT PRODUCTION
11.30	0.112	0.85	14 120	65	0.819	0.67	2 103.5	1970	1986	TCPL
11.90	0.140	0.85	27 580	79	0.893	0.71	2 633.1	1984	1985	
16.70	0.130	0.85	26 570	77	0.877	0.71	2 594.4	1983	1987	
8.73	0.101	0.70	19 930	69	0.849	0.65	2 434.7	1972	1985	
7.24	0.092	0.75	19 930	74	0.861	0.64	2 317.3	1972	1985	
								1972	1985	PANALTA PROGAS TCPL
48.80	0.120	0.90	20 000	73	0.861	0.64	2 755.2	1985	1986	TOP/BASE TVD
20.80	0.100	0.75	20 500	74	0.865	0.66	2 793.1	1978	1985	PANALTA
16.10	0.098	0.90	20 650	76	0.844	0.71	2 860.9	1982	1985	TCPL TOP/BASE TVD
35.15	0.076	0.90	40 610	108	0.973	0.79	4 200.4	1968	1984	A&S CNG TCPL PRODUCTION DECLINE
62.76	0.033	0.80	39 970	116	0.953	0.81	4 254.1	1972	1982	CNG TCPL TOP/BASE TVD
124.66	0.070	0.90	39 910	118	0.949	0.83	4 469.0	1969	1985	A&S CNG TCPL MATERIAL BALANCE

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TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	RAW GAS 1 INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	MARKETABLE GAS 4 INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
ROCHE (SA) 067-07W5									
TOTAL-ROCHE	75			48		48		1 919	
ROCHESTER 062-23W4									
TOTAL-ROCHESTER	610			404	113	291		10 836	
ROCKYFORD 026-23W4									
UPPER MANNVILLE A	396	0.85	0.10	303			40		596
LOWER MANNVILLE D	106	0.75	0.10	72			40		150
U MANN A & L MANN D TOTAL	502	0.85	0.10	375	220	155	40	6 147	
OTHER	1 289			822	55	767		30 434	
TOTAL-ROCKYFORD	1 791			1 197	275	922		36 581	
ROLLA 079-06W6									
TOTAL-ROLLA	138			95		95		3 730	
ROMEO 025-04W4									
TOTAL-ROMEO	444			300		300		11 732	
RONALANE 013-12W4									
TOTAL-RONALANE	68			50		50		1 807	
ROSEBUD 027-21W4									
TOTAL-ROSEBUD	147			99		99		4 087	
ROSEVEAR 054-15W5									
BEAVERHILL LAKE A	7 095	0.90	0.17	5 300	2 466	2 834	39	110 866	3 201
BEAVERHILL LAKE B	6 095	0.85	0.17	4 300	1 140	3 160	39	123 619	2 122
OTHER	258			168		168		6 700	
TOTAL-ROSEVEAR	13 448			9 768	3 606	6 162		241 185	
ROSSBEAR (SA) 094-14W5									
TOTAL-ROSSBEAR	10			6		6		220	
ROUSSEAU (SA) 090-01W6									
TOTAL-ROUSSEAU	10			6		6		225	
ROUTE 062-08W6									
TOTAL-ROUTE	109			72	6	66		2 729	
ROWLEY 032-20W4									
BELLY RIVER A	558	0.65	0.05	345	275	70	37	2 590	1 002
PEKISKO A SOLN	613	0.65	0.05	378b			40		
PEKISKO A ASSOC	1 408	0.92	0.05	1 230b	1 140b	468	40	18 701	3 300
OTHER	1 789			1 113	138	975		37 024	
TOTAL-ROWLEY	4 368			3 066	1 553	1 513		58 315	
ROXANA 078-19W5									
BELLOY A	550	0.70	0.10	347	1	346	39	13 363	2 758
OTHER	446			299		299		11 032	
TOTAL-ROXANA	996			646	1	645		24 395	
ROYAL 053-16W4									
TOTAL-ROYAL	1 713			1 080	89	991		37 682	
ROYCE 084-07W6									
WABAMUN 02-084-07	571	0.75	0.10	385		385	38	14 630	440
OTHER	260			187		187		7 089	
TOTAL-ROYCE	831			572		572		21 719	
RUBEN (SA) 083-03W5									
TOTAL-RUBEN	5			3		3		119	
RUMSEY 034-21W4									
TOTAL-RUMSEY	916			567	162	405		15 877	
RUNDLE 065-16W4									
TOTAL-RUNDLE	146			89	20	69		2 558	
RUSSET (SA) 120-22W5									
TOTAL-RUSSET	52			37		37		1 401	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.24	0.182	0.85	11 450	42	0.780	0.70	1 482.6	1970	1982	
4.00	0.210	0.70	10 670	42	0.801	0.67	1 492.3	1970	1985	
								1970	1985	TCPL
11.39	0.089	0.85	32 810	116	0.989	0.71	3 219.2	1971	1984	DOMEDOW TCPL MATERIAL BALANCE
13.78	0.089	0.85	32 810	116	0.989	0.71	3 236.5	1974	1984	TCPL MATERIAL BALANCE
9.20	0.310	0.60	3 160	21	0.940	0.56	679.6	1964	1985	TCPL
						0.68		1960	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
7.87	0.067	0.75	10 070	46	0.810	0.68	1 346.0	1960	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
1.32	0.270	0.80	6 840	39	0.891	0.60	877.0	1974	1983	PROGAS
15.85	0.060	0.70	22 370	85	0.912	0.65	2 128.4	1974	1983	TCPL BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
RYAN (SA) 096-14W5									
TOTAL-RYAN	45			26		26		953	
RYCROFT 077-04W6									
TOTAL-RYCROFT	1 239			855	184	671		26 105	
SABBATH (SA) 106-12W6									
TOTAL-SABBATH	10			7		7		266	
SADDLE HILLS 076-08W6									
PADDY B	628	0.70	0.05	418	398	20	38	762	1 681
OTHER	2 128			1 309	191	1 118		43 130	
TOTAL-SADDLE HILLS	2 756			1 727	589	1 138		43 892	
SAKWATAMAU 063-14W5									
TOTAL-SAKWATAMAU	677			486		486		19 473	
SALESKI 086-18W4									
GROSMONT A	1 327	0.50	0.05	631	282	349	36	12 725	32 894
OTHER	368			219	101	118		4 317	
TOTAL-SALESKI	1 695			850	383	467		17 042	
SALTER 027-08W5									
RUNDLE A	3 581	0.70	0.25	1 880	3	1 877	37	70 275	1 780
TOTAL-SALTER	3 581			1 880	3	1 877		70 275	
SAMSON 044-24W4									
TOTAL-SAMSON	1 122			805	280	525		21 505	
SAND (SA) 068-08W4									
TOTAL-SAND	10			5		5		186	
SANDY 082-20W4									
TOTAL-SANDY	15			9		9		338	
SANGUDO 057-06W5									
TOTAL-SANGUDO	376			259	2	257		9 469	
SAPPHIRE (SA) 002-05W4									
TOTAL-SAPPHIRE	98			70		70		2 637	
SARAH 066-07W5									
TOTAL-SARAH	108			75		75		2 966	
SARCEE 023-04W5									
RUNDLE A	6 744	0.85	0.18	4 700	3 358	1 342	38	50 580	1 304
TOTAL-SARCEE	6 744			4 700	3 358	1 342		50 580	
SAUNDERS 040-13W5									
RUNDLE B	1 598	0.40	0.10	575	103	472	39	18 262	991
TURNER VALLEY 219-040-13	795	0.60	0.10	429		429	39	16 808	200
TOTAL-SAUNDERS	2 393			1 004	103	901		35 070	
SAVANNA CREEK 014-04W5									
RUNDLE A	6 860	0.80	0.20	4 390	2 721	1 669	38	63 255	4 048
TOTAL-SAVANNA CREEK	6 860			4 390	2 721	1 669		63 255	
SAWDY 069-22W4									
TOTAL-SAWDY	185			117	21	96		3 570	
SAXON (SA) 061-24W5									
TOTAL-SAXON	541			377		377		15 185	
SCANDIA 016-16W4									
TOTAL-SCANDIA	299			227	147	80		3 082	
SCULLY (SA) 100-20W5									
TOTAL-SCULLY	84			60		60		2 198	
SEAL 082-14W5									
TOTAL-SEAL	937			599		599		22 130	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.09	0.150	0.60	7 020	52	0.901	0.62	1 215.9	1972	1978	NUL A&S CWNGNUL PANALTA TCPL
13.45	0.125	0.30	780	9	0.983	0.57	243.3	1977	1987	KANNGAZ PANALTA
21.20	0.051	0.75	26 900	75	0.886	0.68	2 669.1	1972	1987	PANALTA TCPL TOP/BASE TVD
29.54	0.080	0.80	26 300	81	0.900	0.71	3 042.5	1954	1984	CWNG CWNGNUL MATERIAL BALANCE DEEP CUT SL
13.58	0.059	0.80	32 030	93	0.989	0.62	3 569.1	1976	1984	TCPL
31.92	0.062	0.80	35 580	115	1.039	0.62	3 989.8	1977	1984	TCPL
54.40	0.040	0.85	19 210	58	0.818	0.69	2 585.9	1954	1987	WCOAST MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
SEDALIA 030-05W4									
BELLY RIVER A	1 300	0.50	0.05	618	563	55	37	2 023	6 424
VIKING C		0.73	0.08				38		10 633
VIKING E		0.73	0.08				37		4 329
VIKING C & E TOTAL	1 562	0.75	0.10	1 050	719	331	37	12 403	
VIKING A	374	0.70	0.08	241			37		7 515
VIKING F	4	0.70	0.06	3			38		150
UPPER MANNVILLE D	54	0.83	0.05	43			38		256
LOWER MANNVILLE B	240	0.40	0.05	91			38		1 294
VIK A&F, UMN D & LMN TOTAL	672	0.60	0.05	378	350	28	37	1 049	
OTHER	1 740			907	557	350		12 896	
TOTAL-SEDALIA	5 274			2 953	2 189	764		28 371	
SEDGEWICK 042-12W4									
BASAL MANNVILLE A	529	0.85	0.10	405			39		935
BASAL MANNVILLE B	66	0.70	0.10	41			38		200
BASAL MANNVILLE A & B TOTAL	595	0.85	0.10	446	339	107	39	4 129	
OTHER	445			308	18	290		10 849	
TOTAL-SEDGEWICK	1 040			754	357	397		14 978	
SEIU LAKE 025-18W4									
MEDICINE HAT A	856	0.70	0.03	581			36		12 401
SE ALTA GAS SYS (MU) TOTAL	856	0.70	0.05	581		581	36	21 183	
UPPER MANNVILLE A	1 491	0.85	0.10	1 140	457	683	39	26 910	5 003
OTHER	1 108			715	168	547		21 342	
TOTAL-SEIU LAKE	3 455			2 436	625	1 811		69 435	
SEXSMITH 074-06W6									
TOTAL-SEXSMITH	522			326	92	234		9 112	
SHADOW 074-17W5									
TOTAL-SHADOW	48			35		35		1 307	
SHANE 077-02W6									
TOTAL-SHANE	687			504	120	384		15 569	
SHANNON 026-06W4									
TOTAL-SHANNON	239			172	3	169		6 277	
SHAUNICY (SA) 006-03W4									
TOTAL-SHAUNICY	250			200		200		7 162	
SHAW 049-22W5									
SPRAY RIVER A	139	0.75	0.10	94			37		200
RUNDLE A	2 345	0.40	0.10	844			38		2 348
SPRAY RIV A&RUNDLE A TOTAL	2 484	0.40	0.10	938	181	757	38	28 842	
OTHER	72			45		45		1 719	
TOTAL-SHAW	2 556			983	181	802		30 561	
SHEKILIE 117-09W6									
SULPHUR POINT 08-119-07	419	0.85	0.15	303		303	37	11 069	64
KEG RIVER 11-118-08	944	0.80	0.25	566		566	49	27 694	64
OTHER	3 683			2 023	109	1 914		77 465	
TOTAL-SHEKILIE	5 046			2 892	109	2 783		116 228	
SHETLAND 106-10W6									
TOTAL-SHETLAND	50			36		36		1 319	
SHOULDICE 020-23W4									
GLAUCONITIC 11-020-23	403	0.90	0.10	327		327	40	12 966	150
OTHER	1 035			681		681		27 874	
TOTAL-SHOULDICE	1 035			681		681		27 874	
SIBBALD 027-02W4									
VIKING A	1 039	0.80	0.05	789	673	116	37	4 298	3 985
OTHER	1 430			976	248	728		27 065	
TOTAL-SIBBALD	2 469			1 765	921	844		31 363	
SILER 057-07W4									
TOTAL-SILER	173			113	3	110		4 032	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.26	0.342	0.70	1 370	7	0.969	0.56	194.1	1973	1985	CWNG CWNGNUL TCPL PANALTA PRODUCTION DECLINE
1.13	0.233	0.55	6 380	32	0.889	0.59	835.5	1954	1985	MATERIAL BALANCE
0.79	0.195	0.45	6 280	32	0.895	0.58	833.9	1958	1985	MATERIAL BALANCE
								1954	1985	MIP TCPL
1.64	0.226	0.30	6 570	32	0.892	0.57	748.4	1954	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
0.75	0.120	0.40	6 380	32	0.889	0.59	791.0	1957	1985	PART OF VIK POOL NO.5
2.44	0.220	0.50	7 330	31	0.872	0.59	801.6	1976	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
2.20	0.280	0.35	7 950	32	0.870	0.58	829.3	1968	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
								1954	1985	MIP TCPL PART OF VIK POOL NO.5
3.34	0.301	0.80	6 740	35	0.884	0.63	897.3	1954	1968	
2.10	0.301	0.80	6 740	35	0.883	0.63	880.6	1958	1982	MATERIAL BALANCE
								1954	1969	TCPL
1.60	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	TCPL
2.21	0.190	0.65	9 720	38	0.814	0.65	1 325.9	1960	1986	TCPL
2.40	0.090	0.90	32 680	99	1.008	0.62	3 920.5	1973	1986	PRODUCTION DECLINE TOP/BASE TVD
10.58	0.050	0.85	33 270	137	1.039	0.61	3 973.0	1973	1984	TOP/BASE TVD
								1973	1986	TCPL
60.13	0.098	0.85	13 710	66	0.879	0.67	1 639.5	1969	1969	
85.00	0.100	0.80	19 860	71	0.757	0.84	1 732.5	1983	1984	
11.00	0.200	0.80	13 310	44	0.783	0.67	1 638.5	1987	1987	
2.38	0.221	0.70	6 880	31	0.886	0.58	763.5	1951	1973	TCPL CWNGNUL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
SILVER 017-28W4									
TOTAL-SILVER	236			170		170		7 018	
SIMONETTE 063-26W5									
DUNVEGAN D	494	0.75	0.10	334	50	284	41	11 573	300
GETHING A	1 291	0.75	0.10	871	198	673	41	27 701	1 579
WABAMUN A	600	0.85	0.35	332	205	127	39	4 920	128
D-3 SOLN	10 344	0.34	0.52	1 688	1 647	41	41	1 688	
OTHER	2 307			1 507	152	1 355		55 601	
TOTAL-SIMONETTE	15 036			4 732	2 252	2 480		101 483	
SIMONETTE NORTH (SA) 064-25W5									
TOTAL-SIMONETTE NORTH	46			32		32		1 279	
SINCLAIR 074-12W6									
PADDY A	4 170	0.90	0.15	3 190	2 495	695	43	29 732	3 437
PADDY B	1 625	0.80	0.10	1 170	631	539	43	22 978	2 654
PADDY D	484	0.80	0.10	348	27	321	40	12 968	1 714
FALHER A	2 852	0.85	0.15	2 060	937	1 123	38	42 247	11 200
CADOMIN A	4 621	0.70	0.15	2 750	42	2 708	36	98 571	13 738
DOIG A	15 555	0.80	0.10	11 200	1 182	10 018	39	393 407	8 058
OTHER	5 752			3 914	691	3 223		128 356	
TOTAL-SINCLAIR	35 059			24 632	6 005	18 627		728 259	
SIPHON (SA) 086-10W6									
TOTAL-SIPHON	26			19		19		715	
SKARO 057-19W4									
TOTAL-SKARO	119			88		88		3 391	
SKINNER 052-15W5									
BLUERIDGE 21-052-15	511	0.85	0.15	369		369	40	14 620	300
OTHER	253			162		162		6 336	
TOTAL-SKINNER	764			531		531		20 956	
SLAVE 084-14W5									
TOTAL-SLAVE	201			139		139		4 808	
SMITH 071-25W4									
TOTAL-SMITH	631			393		393		14 804	
SMITH COULEE 004-11W4									
BOW ISLAND A	941	0.85	0.05	760	688	72	35	2 495	33 720
BOW ISLAND B	409	0.85	0.05	331	318	13	35	457	4 973
OTHER	121			82	11	71		2 408	
TOTAL-SMITH COULEE	1 471			1 173	1 017	156		5 360	
SMOKY (SA) 058-03W6									
TOTAL-SMOKY	189			135		135		5 344	
SMOKY HEIGHTS (SA) 074-02W6									
TOTAL-SMOKY HEIGHTS	117			78		78		2 959	
SNAKE (SA) 017-24W4									
TOTAL-SNAKE	36			26		26		1 035	
SNEDDON 080-10W6									
TOTAL-SNEDDON	391			275		275		10 486	
SNIPE LAKE 071-18W5									
TOTAL-SNIPE LAKE	1 835			294	244	50		1 960	
SNOWFALL (SA) 099-08W6									
TOTAL-SNOWFALL	188			135		135		5 561	
SOARS 059-02W4									
TOTAL-SOARS	195			122		122		4 449	
SORENSON 032-12W4									
TOTAL-SORENSON	175			124		124		4 867	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
10.25	0.125	0.85	13 500	51	0.783	0.68	1 808.9	1983	1986	A&S
4.97	0.129	0.70	19 530	77	0.871	0.63	2 525.6	1970	1984	A&S
46.94	0.080	0.85	34 160	104	0.903	1.13	3 364.9	1959	1987	MATERIAL BALANCE
						0.86		1958	1986	
6.59	0.149	0.80	12 700	60	0.816	0.67	1 666.1	1978	1986	PROGAS TCPL MATERIAL BALANCE DEEP CUT SL
6.78	0.111	0.70	11 310	60	0.831	0.66	1 605.8	1978	1987	PROGAS TCPL
3.47	0.118	0.60	10 910	55	0.823	0.67	1 452.3	1978	1986	PANALTA PROGAS
3.14	0.078	0.65	14 150	65	0.827	0.66	1 825.8	1977	1986	PROGAS TCPL MATERIAL BALANCE DEEP CUT SL
6.18	0.050	0.60	18 810	88	0.902	0.62	2 313.7	1956	1985	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
11.73	0.093	0.85	26 120	101	0.954	0.62	2 505.3	1977	1986	PANALTA PROGAS TCPL CWNGNUL
25.05	0.040	0.65	30 310	80	0.934	0.70	3 001.6	1978	1986	
0.92	0.207	0.70	4 340	19	0.921	0.59	625.8	1947	1984	CMG MATERIAL BALANCE
0.90	0.240	0.60	4 360	24	0.925	0.58	648.6	1967	1985	CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
SOUNDING 030-09W4									
TOTAL-SOUNDING	1 127			752	335	417		16 253	
SOUSA 112-05W6									
BLUESKY A	1 854	0.50	0.05	881			37		22 387
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	9	0.65	0.05	6			37		200
BLUESKY A	6	0.65	0.05	4			37		200
BLUESKY A	26	0.65	0.05	16			37		200
BLUESKY A	10	0.65	0.05	7			37		200
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	8	0.65	0.05	5			39		200
BLUESKY A TOTAL	1 928	0.50	0.05	928	54	874	37	32 259	
OTHER	325			214		214		8 299	
TOTAL-SOUSA	2 253			1 142	54	1 088		40 558	
SPENCER 066-08W4									
TOTAL-SPENCER	45			26		26		953	
SPIERS 034-15W4									
TOTAL-SPIERS	1 013			659	215	444		16 932	
SPIRIT RIVER 078-07W6									
TOTAL-SPIRIT RIVER	1 366			949	2	947		37 042	
SPRUCE GROVE 052-27W4									
TOTAL-SPRUCE GROVE	107			74		74		2 825	
SPUR 072-02W5									
WABISKAW A	481	0.80	0.05	365	78	288	37	10 656	2 993
OTHER	212			140		140		5 238	
TOTAL-SPUR	693			506	78	428		15 894	
SPUTINA (SA) 096-24W4									
TOTAL-SPUTINA	45			24		24		863	
ST ALBERT-BIG LAKE 053-26W4									
OSTRACOD A	3 393	0.85	0.05	2 740	2 618	122	39	4 757	3 215
ST ALBERT BSL QTZ B	622	0.85	0.15	450		450	39	17 546	429
OTHER	616			319	16	303		11 772	
TOTAL-ST ALBERT-BIG LAKE	4 631			3 509	2 634	875		34 075	
ST PAUL 058-09W4									
VIKING A	524	0.75	0.05	373		373	37	13 924	8 011
UPPER MANNVILLE A	1 104	0.80	0.05	839	213	626	38	23 594	1 487
OTHER	599			407	79	328		12 130	
TOTAL-ST PAUL	2 227			1 619	292	1 327		49 648	
ST. ANNE 054-04W5									
TOTAL-ST. ANNE	548			352	55	297		12 095	
STANDARD 026-22W4									
VIKING A	761	0.90	0.10	616	92	524	39	20 289	1 703
OTHER	12			8		8		318	
TOTAL-STANDARD	773			624	92	532		20 607	
STANDISH (SA) 068-07W4									
TOTAL-STANDISH	7			4		4		149	
STANMORE 029-11W4									
VIKING A & B	1 654	0.70	0.05	1 100			39		7 574
VIKING A & B TOTAL	1 654	0.70	0.05	1 100	970	130	39	5 008	
UPPER MANNVILLE Z	941	0.85	0.05	760	620	140	41	5 734	2 753
OTHER	4 914			3 469	1 277	2 192		84 868	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.56	0.210	0.40	2 690	19	0.946	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
1.00	0.210	0.40	2 690	19	0.946	0.59	244.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-6-112-1 W6M
2.00	0.210	0.40	2 690	19	0.946	0.59	232.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-112-1W6M
1.30	0.210	0.40	2 690	19	0.946	0.59	238.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-4-112-2 W6M
5.50	0.210	0.40	2 690	19	0.946	0.59	235.3	1972	1983	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-11-112-2 W6M
2.10	0.210	0.40	2 690	13	0.941	0.59	222.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-112-2 W6M
0.70	0.293	0.40	2 690	19	0.946	0.59	262.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-3-112-4 W6M
1.00	0.210	0.40	2 690	19	0.946	0.59	237.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-11-112-4 W6M
0.93	0.270	0.60	2 690	16	0.939	0.58	229.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-1-113-1 W6M
								1972	1982	PANALTA PART OF BLSKY POOL NO.1
2.08	0.273	0.80	3 530	29	0.939	0.56	578.0	1979	1986	
2.77	0.207	0.70	9 380	48	0.805	0.78	1 130.2	1953	1987	NORCEN PRODUCTION DECLINE
10.06	0.200	0.70	9 410	49	0.807	0.78	1 158.2	1952	1964	
0.83	0.250	0.60	4 830	17	0.902	0.57	439.8	1949	1987	MIP PWGE TCPL PART OF VIK POOL NO.6
2.10	0.300	0.60	3 280	16	0.931	0.57	479.3	1949	1985	LOC U PANALTA PWGE MATERIAL BALANCE
2.56	0.200	0.70	8 890	30	0.822	0.63	1 282.0	1956	1973	TCPL
3.52	0.267	0.60	7 310	33	0.872	0.60	874.5	1961	1982	MATERIAL BALANCE
								1961	1982	PROGAS SLPETRO TCPL
1.76	0.205	0.55	9 450	38	0.826	0.64	1 043.5	1970	1983	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
STANMORE 029-11W4 (CONTINUED)									
TOTAL-STANMORE	7 509			5 329	2 867	2 462		95 610	
STEELE 066-25W4									
TOTAL-STEELE	2 362			1 492	762	730		27 964	
STEEN 108-01W6									
BLUESKY A	106	0.50	0.05	50			37		2 603
BLUESKY A	6	0.65	0.05	4			37		200
BLUESKY A	21	0.65	0.05	13			37		200
BLUESKY A	20	0.65	0.05	12			37		200
BLUESKY A	16	0.55	0.05	9			37		200
BLUESKY A	50	0.65	0.05	31			37		200
BLUESKY A	49	0.65	0.05	30			37		200
BLUESKY A	42	0.65	0.05	26			37		200
BLUESKY A	5	0.65	0.05	3			37		200
BLUESKY A	13	0.55	0.05	7			37		200
BLUESKY A	16	0.55	0.05	9			37		200
BLUESKY A	35	0.65	0.05	22			37		200
BLUESKY A	12	0.55	0.05	7			37		200
BLUESKY A	8	0.55	0.05	4			38		200
BLUESKY A	9	0.55	0.05	5			37		200
BLUESKY A	4	0.55	0.05	2			37		200
BLUESKY A	26	0.65	0.05	16			37		200
BLUESKY A	9	0.55	0.05	5			37		200
BLUESKY A	5	0.55	0.05	3			37		200
BLUESKY A	248	0.50	0.05	118			37		5 054
BLUESKY A TOTAL	700	0.55	0.05	376		376	37	13 874	
OTHER	26			17		17		654	
TOTAL-STEEN	726			393		393		14 528	
STEEP BANK (SA) 094-07W4									
TOTAL-STEEP BANK	69			33		33		1 229	
STEEP CREEK 066-07W6									
FALHER E-1	540	0.85	0.05	436	433	3	38	114	440
FALHER E-2	693	0.75	0.05	494	358	136	41	5 508	200
CADOMIN 10-066-07	534	0.85	0.10	409		409	44	17 996	200
BELLOY 26-066-07	575	0.75	0.20	345		345	38	12 989	440
OTHER	1 125			758		758		30 614	
TOTAL-STEEP CREEK	3 467			2 442	791	1 651		67 221	
STETTLER 038-20W4									
TOTAL-STETTLER	1 284			387	240	147		5 731	
STETTLER NORTH 039-20W4									
LOWER MANNVILLE B	716	0.75	0.10	483	233	250	40	9 908	502
OTHER	274			137	15	122		4 936	
TOTAL-STETTLER NORTH	990			620	248	372		14 844	
STETTLER SOUTH 037-20W4									
TOTAL-STETTLER SOUTH	449			209	63	146		5 522	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.91	0.210	0.40	2 480	19	0.950	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
1.50	0.210	0.40	2 480	16	0.948	0.59	232.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-8-107-21 W5M
6.10	0.170	0.40	2 480	16	0.948	0.59	229.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-20-107-21 W5M
4.57	0.210	0.40	2 480	16	0.948	0.59	241.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-3-107-22 W5M
3.81	0.200	0.40	2 480	16	0.948	0.59	255.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-11-107-23 W5M
11.19	0.217	0.40	2 480	18	0.949	0.59	292.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-21-107-24 W5M
10.67	0.210	0.40	2 660	19	0.946	0.59	345.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-8-107-1 W6M
9.75	0.210	0.40	2 480	18	0.949	0.59	308.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-13-107-1 W6M
1.22	0.210	0.40	2 480	15	0.947	0.59	222.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-8-108-21 W5M
3.05	0.210	0.40	2 480	18	0.949	0.59	298.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-32-108-24 W5M
3.66	0.210	0.40	2 480	17	0.948	0.59	285.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-36-108-24 W5M
8.23	0.210	0.40	2 480	17	0.948	0.59	292.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-12-108-1 W6M
2.70	0.210	0.40	2 480	16	0.948	0.59	273.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-16-109-23 W5M
1.80	0.210	0.40	2 480	17	0.948	0.58	282.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-20-109-23 W5M
2.10	0.210	0.40	2 480	17	0.949	0.58	313.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-32-109-24 W5M
0.90	0.180	0.50	2 480	17	0.949	0.58	309.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-34-109-24 W5M
4.30	0.240	0.50	2 480	18	0.950	0.58	316.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-23-109-1 W6M
1.52	0.240	0.50	2 480	17	0.949	0.58	301.6	1972	1982	PART OF BLSKY POOL NO.1
1.20	0.210	0.40	2 480	17	0.949	0.58	297.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-22-110-24 W5M
1.87	0.200	0.50	2 480	11	0.945	0.59	209.8	1972	1985	PART OF BLSKY POOL NO.1
						0.59		1972	1982	TCPL PART OF BLSKY POOL NO.1
6.40	0.095	0.75	31 300	72	0.968	0.60	2 408.8	1981	1986	PANALTA PROGAS PRODUCTION DECLINE
3.50	0.100	0.70	22 500	64	0.865	0.63	2 347.4	1981	1987	PANALTA PROGAS PRODUCTION DECLINE
15.85	0.130	0.70	22 400	111	0.896	0.73	2 822.5	1978	1983	
6.70	0.120	0.75	29 800	125	0.982	0.65	3 191.2	1956	1982	PANALTA PROGAS BER
4.71	0.213	0.75	9 600	54	0.865	0.65	1 340.0	1962	1985	LOC U PWGE TCPL MATERIAL BALANCE NONCOMMERCIAL OIL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS	2	3	4 MARKETABLE GAS	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
STEVE 059-07W4									
TOTAL-STEVE	613			384	212	172		6 557	
STEWART 032-28W4									
TOTAL-STEWART	199			127		127		5 461	
STIMSON (SA) 015-02W5									
TOTAL-STIMSON	59			27		27		1 069	
STIRLING 007-19W4									
BOW ISLAND A	536	0.85	0.05	433	368	65	37	2 406	5 584
OTHER	18			10		10		350	
TOTAL-STIRLING	554			443	368	75		2 756	
STOLBERG 042-15W5									
RUNDLE A	2 708	0.50	0.10	1 220			40		1 021
RUNDLE B	4 178	0.50	0.10	1 880			39		2 779
RUNDLE C	552	0.50	0.15	235			40		440
RUNDLE D	1 570	0.50	0.15	667			39		1 794
RUNDLE A,B,C & D TOTAL	9 008	0.50	0.10	4 002	917	3 085	39	121 611	
RUNDLE E	1 047	0.45	0.10	424			39		440
RUNDLE F	803	0.45	0.10	325			40		335
RUNDLE G	565	0.50	0.15	241			39		440
RUNDLE E, F & G TOTAL	2 415	0.45	0.10	990	393	597	39	23 456	
OTHER	224			151		151		6 635	
TOTAL-STOLBERG	11 647			5 143	1 310	3 833		151 702	
STONY PLAIN (SA) 053-01W5									
TOTAL-STONY PLAIN	96			65		65		2 598	
STOWE (SA) 091-01W6									
TOTAL-STOWE	14			9		9		334	
STRACHAN 037-09W5									
GLAUCONITIC B	1 059	0.80	0.10	762	397	365	40	14 425	2 041
GLAUCONITIC D	606	0.80	0.05	461	130	331	39	12 979	1 056
D-3 A	40 741	0.90	0.25	27 500	22 576	4 924	39	192 824	1 973
D-3 B	540	0.90	0.20	389	317	72	38	2 763	645
D-3 C	2 833	0.60	0.20	1 360	966	394	39	15 256	712
OTHER	3 505			2 400	382	2 018		82 533	
TOTAL-STRACHAN	49 284			32 872	24 768	8 104		320 780	
STRATHMORE 024-25W4									
BELLY RIVER A	1 163	0.80	0.05	884	538	346	37	12 671	2 211
BELLY RIVER E	865	0.50	0.05	411	218	193	37	7 068	440
OTHER	4 368			2 292	1 181	1 111		41 993	
TOTAL-STRATHMORE	6 396			3 587	1 937	1 650		61 732	
STROME 044-16W4									
MANNVILLE G	779	0.75	0.05	555	50	505	37	18 887	1 148
OTHER	3 034			1 953	384	1 569		61 528	
TOTAL-STROME	3 813			2 508	434	2 074		80 415	
STRY 058-13W4									
VIKING A	483	0.80	0.05	367	6	361	37	13 404	8 830
UPPER MANNVILLE A	1 000	0.70	0.05	665	217	448	38	16 813	4 115
OTHER	1 641			1 155	330	825		30 834	
TOTAL-STRY	3 124			2 187	553	1 634		61 051	
STURGEON LAKE 071-23W5									
TOTAL-STURGEON LAKE	1 916			529	66	463		17 845	
STURGEON LAKE SOUTH 069-22W5									
D-3 SOLN	8 967	0.55	0.45	2 713	2 101	612	37	22 742	
OTHER	2 876			1 645	152	1 493		58 962	
TOTAL-STURGEON LAKE SOUTH	11 843			4 358	2 253	2 105		81 704	
SUFFIELD 018-06W4									
MILK RIVER A	31 127	0.70	0.05	20 700			36		246 312
MEDICINE HAT A	16 494	0.70	0.03	11 200			36		224 904
MEDICINE HAT C	1 740	0.50	0.03	844			36		57 266
MEDICINE HAT D	2 062	0.50	0.03	1 000			36		46 656

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.62	0.204	0.65	3 360	27	0.940	0.56	781.5	1957	1986	CWNG PRODUCTION DECLINE
24.06	0.050	0.85	31 830	107	0.995	0.63	3 252.0	1957	1984	
15.80	0.047	0.85	32 470	112	1.007	0.64	3 802.0	1957	1984	
13.10	0.047	0.85	33 290	117	1.013	0.65	4 115.6	1957	1984	TOP/BASE TVD
8.94	0.048	0.85	33 400	117	1.015	0.64	3 961.5	1974	1984	TOP/BASE TVD
								1957	1984	PANALTA TCPL
21.30	0.052	0.85	31 770	91	0.982	0.63	3 386.0	1976	1984	
19.27	0.058	0.85	32 310	94	0.992	0.62	3 769.0	1976	1984	
12.60	0.050	0.85	33 400	117	1.015	0.64	3 982.5	1974	1984	
								1976	1984	TCPL PANALTA
4.18	0.071	0.70	32 110	99	0.983	0.65	3 000.2	1981	1985	CNG PROGAS TCPL
3.63	0.091	0.70	31 920	98	0.985	0.64	2 949.5	1972	1984	CNG TCPL
115.81	0.077	0.90	49 300	124	1.151	0.76	4 110.2	1967	1986	CNG TCPL MATERIAL BALANCE TOP/BASE TVD
51.51	0.031	0.80	49 190	124	1.162	0.63	4 098.0	1969	1987	CNG TCPL MATERIAL BALANCE TOP/BASE TVD
25.01	0.073	0.80	31 410	116	0.964	0.75	3 712.5	1972	1987	TCPL
3.53	0.280	0.60	3 210	29	0.944	0.57	895.7	1962	1987	CWNG CWNGNUL PRODUCTION DECLINE
8.63	0.230	0.70	3 150	30	0.946	0.57	894.6	1976	1985	CWNG CWNGNUL MATERIAL BALANCE
5.83	0.230	0.70	7 170	44	0.890	0.62	1 042.6	1980	1987	A&S TCPL
0.98	0.250	0.50	4 190	18	0.917	0.57	480.1	1949	1980	MIP PANALTA TCPL PART OF VIK POOL NO.6
2.95	0.327	0.60	4 050	24	0.924	0.56	615.9	1970	1987	MIP TCPL
						0.77		1955	1987	A&S
4.99	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.70	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.77	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
1.12	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS	2	3	4 MARKETABLE GAS	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
SUFFIELD 018-06W4 (CONTINUED)									
SECOND WHITE SPECKS A	15 860	0.75	0.05	11 300			36		153 056
SE ALTA GAS SYS(MU) TOTAL	67 283	0.70	0.05	45 044	15 973	29 071	36	1 059 929	
BOW ISLAND N	669	0.80	0.05	508	277	231	37	8 468	2 221
BOW ISLAND C	409	0.80	0.05	311	5	306	36	11 138	1 838
UPPER MANNVILLE A ASSOC	860	0.85	0.05	694			36		1 267
UPPER MANNVILLE A ASSOC	40	0.75	0.05	29			37		200
UPPER MANNVILLE A TOTAL	900	0.85	0.05	723	167	556	36	20 083	
UPPER MANNVILLE I	1 187	0.65	0.05	733	718	15	36	538	400
OTHER	3 394			2 423	646	1 777		64 691	
TOTAL-SUFFIELD	73 842			49 742	17 786	31 956		1 164 847	
SUGDEN 062-10W4									
VIKING A	6 737	0.65	0.05	4 160	12	4 148	37	155 426	96 893
COLONY D	679	0.75	0.05	484	221	263	37	9 839	3 014
COLONY S	618	0.60	0.05	352	119	233	37	8 546	1 813
GRAND RAPIDS A	484	0.80	0.05	368			37		4 880
GRAND RAPIDS D	48	0.65	0.05	29			37		200
GRAND RAPIDS A & D TOTAL	532	0.80	0.05	397	70	327	37	11 975	
MCMURRAY C	640	0.65	0.05	395	233	162	37	6 009	800
OTHER	5 266			3 334	1 111	2 223		83 101	
TOTAL-SUGDEN	14 472			9 122	1 766	7 356		274 896	
SULLIVAN LAKE 035-13W4									
BELLY RIVER A	627	0.75	0.05	447			37		2 085
BELLY RIVER B	52	0.70	0.05	34			37		487
BELLY RIVER A & B TOTAL	679	0.75	0.05	481	335	146	37	5 396	
OTHER	1 652			954	368	586		22 958	
TOTAL-SULLIVAN LAKE	2 331			1 435	703	732		28 354	
SUNBURST (SA) 001-18W4									
TOTAL-SUNBURST	8			4		4		150	
SUNCHILD 043-11W5									
ELKTON-SHUNDA A	45	0.75	0.10	31			40		128
ELKTON-SHUNDA A	833	0.85	0.15	602			40		2 157
ELKTON-SHUNDA A	586	0.85	0.15	423			40		1 468
ELKTON-SHUNDA A TOTAL	1 464	0.85	0.15	1 056	198	858	40	34 166	
OTHER	156			106		106		4 127	
TOTAL-SUNCHILD	1 620			1 162	198	964		38 293	
SUNDANCE 054-21W5									
VIKING A	2 760	0.90	0.05	2 360	1 162	1 198	41	49 561	1 522
OTHER	680			461	137	324		13 507	
TOTAL-SUNDANCE	3 440			2 821	1 299	1 522		63 068	
SUNDRE 034-05W5									
RUNDLE A SOLN	2 200	0.40	0.50	440[b]			41		
RUNDLE A ASSOC	204	0.75	0.15	130[b]	403[b]	167	41	6 840	610
OTHER	1 676			751	137	614		25 153	
TOTAL-SUNDRE	4 080			1 321	540	781		31 993	
SUNNYNOOK 026-11W4									
BASAL MANNVILLE I	558	0.85	0.05	450		450	38	16 898	300
OTHER	1 434			1 045	185	860		32 622	
TOTAL-SUNNYNOOK	1 992			1 495	185	1 310		49 520	
SUNSET 069-19W5									
TOTAL-SUNSET	191			131	4	127		5 027	
SUPERBA 026-03W4									
TOTAL-SUPERBA	461			311	35	276		10 332	
SURRETTE (SA) 097-16W5									
TOTAL-SURRETTE	523			312		312		11 059	
SUTTON 091-03W6									
GETHING 092-03	679	0.80	0.05	516		516	38	19 381	2 162
OTHER	307			186		186		7 044	
TOTAL-SUTTON	986			702		702		26 425	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.34	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL PANALTA TCPL
2.33	0.263	0.60	7 550	27	0.873	0.59	817.6	1970	1983	PANALTA
1.84	0.234	0.70	6 890	27	0.884	0.58	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1
3.57	0.240	0.70	10 240	30	0.849	0.59	940.9	1976	1984	
1.22	0.240	0.60	10 180	31	0.841	0.61	927.8	1976	1984	ASSIGNED WELL 04-02-020-07 W4M
								1976	1984	PANALTA CONCURRENT PRODUCTION
7.20	0.220	0.75	10 520	33	0.852	0.59	985.4	1974	1987	PANALTA MATERIAL BALANCE
1.48	0.270	0.55	3 040	18	0.939	0.56	319.0	1949	1987	CWNGNUL KANNGAZ MIP PANALTA PROGAS TCPL SOQUIP PART OF VIK POOL NO.6
3.44	0.300	0.75	2 550	13	0.945	0.57	315.7	1973	1987	MIP PANALTA MATERIAL BALANCE
5.07	0.296	0.75	2 930	19	0.943	0.56	378.3	1978	1985	PANALTA KANNGAZ
2.12	0.300	0.60	2 540	19	0.951	0.57	339.5	1971	1985	
3.96	0.300	0.75	2 590	18	0.948	0.56	320.5	1977	1983	
								1971	1983	PANALTA PROGAS TCPL MIP
2.09	0.300	0.70	3 340	23	0.938	0.56	450.1	1974	1986	MIP PANALTA PROGAS PRODUCTION DECLINE
4.96	0.339	0.55	3 100	16	0.938	0.56	437.5	1967	1987	
2.49	0.270	0.50	3 050	16	0.939	0.56	420.9	1976	1987	
								1967	1987	TCPL
2.44	0.080	0.85	26 100	104	0.926	0.73	2 899.0	1964	1987	
2.92	0.086	0.80	24 210	108	0.940	0.65	2 931.1	1969	1987	
1.95	0.120	0.85	26 100	113	0.958	0.65	2 922.4	1969	1977	
								1969	1987	PROGAS TCPL
4.75	0.121	0.80	30 430	96	0.961	0.66	2 747.4	1971	1986	PANALTA MATERIAL BALANCE
						0.71		1955	1986	A&S TCPL GAS BREAKTHROUGH
1.81	0.102	0.80	24 930	82	0.881	0.71	2 733.9	1955	1986	A&S TCPL GAS BREAKTHROUGH
8.40	0.283	0.80	9 650	48	0.874	0.58	1 040.9	1985	1987	NONCOMMERCIAL OIL
5.73	0.213	0.45	5 640	35	0.910	0.56	772.6	1972	1982	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE $10^6 m^3$	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES $10^6 m^3$	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION $10^6 m^3$	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES $10^6 m^3$	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
SWALWELL 029-24W4									
VIKING A	912	0.80	0.10	657	631	26	41	1 071	4 644
PEKISKO A SOLN	120	0.60	0.10	65b			42		
PEKISKO A ASSOC	540	0.90	0.10	437b	277b	225	42	9 484	1 680
OTHER	1 870			1 041	209	832		32 046	
TOTAL-SWALWELL	3 442			2 200	1 117	1 083		42 601	
SWAN HILLS 068-10W5									
BEAVERHILL LAKE C SOLN	7 601	0.35	0.60	1 064	372	692	41	28 282	
BEAVERHILL LAKE A&B ASSOC		0.75	0.35				42		
BEAVERHILL LAKE A&B SOLN	29 000	0.37	0.35	6 975			42		
BEAVERHILL LAKE A&B TOTAL	29 000	0.35	0.35	6 975	6 048	927	42	39 166	
OTHER	141			95		95		3 720	
TOTAL-SWAN HILLS	36 742			8 134	6 420	1 714		71 168	
SWAN HILLS SOUTH 065-10W5									
BEAVERHILL LAKE A&B ASSOC		0.65	0.25				44		
BEAVERHILL LAKE A&B SOLN	15 232	0.51	0.35	5 049b			44		
BEAVERHILL LAKE A&B TOTAL	15 232	0.50	0.35	5 049b	4 975b	74	44	3 230	
OTHER	51			32		32		1 298	
TOTAL-SWAN HILLS SOUTH	15 283			5 081	4 975	106		4 528	
SWEETGRASS 001-15W4									
TOTAL-SWEETGRASS	63			45	15	30		1 125	
SWIMMING 052-06W4									
TOTAL-SWIMMING	779			535	21	514		18 717	
SYLVAN LAKE 037-03W5									
GLAUC A & SHUNDA A		0.85	0.10				40		3 731
LOWER MANNVILLE O		0.85	0.10				40		200
GLAUC A,SHUN A&L MN O TOTAL	8 000	0.85	0.10	6 120	4 985	1 135	40	45 060	
LOWER MANNVILLE A	1 474	0.85	0.09	1 140	817	323	39	12 697	1 144
LOWER MANNVILLE C	1 333	0.90	0.15	1 020	824	196	40	7 764	810
LOWER MANNVILLE D	367	0.90	0.06	310	136	174	40	6 917	354
LOWER MANNVILLE H	834	0.85	0.10	638	230	408	39	16 087	581
OSTRACOD 24-037-05	419	0.85	0.10	320		320	40	12 710	440
OSTRACOD K	1 286	0.80	0.10	926	199	727	40	29 051	4 388
OSTRACOD B	883	0.90	0.12	700			40		1 067
BASAL QUARTZ A SOLN	577	0.75	0.40	260			40		
OSTRACOD B&BSL QTZ A TOTAL	1 460	0.85	0.20	960	371	589	40	23 413	
JURASSIC A SOLN	455	0.65	0.20	237b			39		
JURASSIC A ASSOC	753	0.90	0.10	610b	123b	724	39	28 171	838
ELKTON-SHUNDA A	1 469	0.90	0.10	1 190	1 161	29	40	1 162	1 416
ELKTON-SHUNDA B	1 150	0.85	0.10	880	786	94	40	3 745	829
SHUNDA B	682	0.90	0.10	553		553	39	21 772	852
PEKISKO B SOLN	731	0.60	0.20	351	308	43	38	1 651	
PEKISKO B ASSOC	501	0.90	0.10	406		406	38	15 590	512
PEKISKO I	460	0.80	0.15	313	69	244	39	9 553	416
PEKISKO N	1 349	0.85	0.05	1 090	839	251	40	10 040	690
D-3 A SOLN	424	0.65	0.45	152b			39		
D-3 A ASSOC	1 162	0.90	0.11	931b	296b	787	39	30 685	728
OTHER	11 726			7 338	1 361	5 977		239 105	
TOTAL-SYLVAN LAKE	36 035			25 485	12 505	12 980		515 173	
TABER 009-17W4									
TOTAL-TABER	735			498	44	454		16 873	
TABER NORTH 011-16W4									
TOTAL-TABER NORTH	218			114	15	99		3 861	
TABER SOUTH 007-16W4									
BOW ISLAND A	874	0.90	0.05	748	211	537	35	18 795	8 774
OTHER	231			169	91	78		2 734	
TOTAL-TABER SOUTH	1 105			917	302	615		21 529	
TANGENT 080-24W5									
TOTAL-TANGENT	3 071			1 991	341	1 650		63 656	
TAR (SA) 099-13W4									
TOTAL-TAR	52			32		32		1 206	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.94	0.154	0.55	8 070	39	0.843	0.65	1 400.9	1963	1984	A&S TCPL PRODUCTION DECLINE
						0.66		1963	1986	A&S TCPL CONCURRENT PRODUCTION
6.02	0.068	0.70	10 940	59	0.836	0.66	1 632.4	1963	1986	A&S TCPL CONCURRENT PRODUCTION
						0.82		1958	1986	CWNGNUL PANALTA
						0.93		1957	1986	
						0.93		1957	1986	
								1957	1986	CWNGNUL PANALTA
						0.87		1959	1987	DRY GAS BREAKTHROUGH
						0.87		1959	1987	DRY GAS BREAKTHROUGH
								1959	1987	CWNGNUL DRY GAS BREAKTHROUGH
9.36	0.132	0.70	16 780	70	0.818	0.71	2 119.0	1953	1985	MATERIAL BALANCE
3.66	0.120	0.75	8 550	64	0.858	0.71	2 119.3	1976	1985	MATERIAL BALANCE
								1953	1985	A&S TCPL
5.39	0.129	0.70	16 900	66	0.818	0.70	2 179.9	1955	1985	TCPL PRODUCTION DECLINE
4.41	0.119	0.75	16 920	66	0.801	0.73	2 203.2	1953	1987	A&S TCPL PRODUCTION DECLINE
4.24	0.129	0.70	16 620	63	0.791	0.74	2 119.2	1960	1981	A&S TCPL MATERIAL BALANCE
7.08	0.130	0.90	16 830	64	0.819	0.69	2 113.0	1973	1979	A&S TCPL
4.40	0.143	0.80	18 690	65	0.832	0.67	2 386.3	1980	1983	A&S TCPL
1.69	0.123	0.75	18 300	70	0.807	0.74	2 350.8	1969	1986	PROGAS TCPL
4.16	0.143	0.70	20 340	71	0.846	0.68	2 380.6	1963	1987	
						0.73		1963	1986	
								1963	1987	TCPL
						0.68		1962	1987	A&S TCPL CONCURRENT PRODUCTION
5.39	0.140	0.70	17 230	71	0.837	0.68	2 259.5	1962	1987	A&S TCPL CONCURRENT PRODUCTION
5.97	0.071	0.75	16 720	66	0.800	0.73	2 167.7	1955	1982	A&S TCPL MATERIAL BALANCE
12.58	0.134	0.75	17 030	71	0.817	0.72	2 146.1	1973	1982	A&S MATERIAL BALANCE
6.43	0.095	0.75	16 890	66	0.811	0.72	2 189.7	1953	1975	TCPL
						0.71		1953	1976	TCPL
5.47	0.138	0.75	16 960	66	0.823	0.71	2 801.0	1953	1976	TCPL
8.73	0.097	0.75	17 790	69	0.849	0.69	2 290.1	1963	1986	TCPL
12.30	0.090	0.80	17 070	71	0.807	0.74	2 196.1	1973	1982	A&S MATERIAL BALANCE
						0.79		1961	1979	A&S TCPL CONCURRENT PRODUCTION
12.59	0.072	0.85	23 920	99	0.883	0.79	2 865.4	1961	1979	A&S TCPL CONCURRENT PRODUCTION
1.98	0.210	0.65	3 610	24	0.938	0.58	702.4	1958	1983	CWNGNUL KANNGAZ

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
TARA (SA) 076-20W4									
TOTAL-TARA	10			6		6		224	
TATE (SA) 120-03W6									
TOTAL-TATE	76			49		49		1 864	
TAWATINAW 062-22W4									
TOTAL-TAWATINAW	142			55	24	31		1 163	
TEEPEE 073-03W6									
DOIG A	891	0.70	0.10	562	24	538	41	22 106	1 568
KISKATINAW 02-074-04	415	0.85	0.10	318		318	39	12 491	440
WABAMUN C	2 478	0.85	0.15	1 790	304	1 486	37	54 967	1 281
OTHER	622			444	130	314		12 907	
TOTAL-TEEPEE	4 406			3 114	458	2 656		102 471	
TELFORDVILLE (SA) 050-02W5									
TOTAL-TELFORDVILLE	343			235		235		9 349	
TEMPLETON 001-12W4									
TOTAL-TEMPLETON	198			136		136		5 051	
THERIEN 060-09W4									
UPPER MANNVILLE F	656	0.75	0.05	468	42	426	37	15 796	2 101
OTHER	2 171			1 360	246	1 114		41 211	
TOTAL-THERIEN	2 827			1 828	288	1 540		57 007	
THIRD (SA) 021-27W4									
TOTAL-THIRD	239			161		161		6 199	
THORHILD 059-21W4									
SECOND WHITE SPECKS A	465	0.85	0.05	375	185	190	36	6 874	10 331
OTHER	1 419			899	268	631		23 783	
TOTAL-THORHILD	1 884			1 274	453	821		30 657	
THORNBURY 078-13W4									
TOTAL-THORNBURY	2 203			1 178	422	756		27 917	
THORSBY 049-01W5									
GLAUCONITIC E	1 103	0.80	0.10	794		794	41	32 300	853
OTHER	2 833			1 729	169	1 560		62 875	
TOTAL-THORSBY	3 936			2 523	169	2 354		95 175	
THREE HILLS CREEK 035-25W4									
PEKISKO ASSOC	5 434	0.70	0.08	3 500	1 974	1 526	40	60 659	13 344
OTHER	1 073			649	64	585		21 590	
TOTAL-THREE HILLS CREEK	6 507			4 149	2 038	2 111		82 249	
THUNDER 060-06W5									
TOTAL-THUNDER	168			111		111		4 410	
TIELAND 067-04W5									
TOTAL-TIELAND	47			30		30		1 199	
TIMBERWOLF 107-12W6									
TOTAL-TIMBERWOLF	28			20		20		733	
TIMEU 063-03W5									
TOTAL-TIMEU	189			128		128		4 980	
TINDASTOLL 036-01W5									
PEKISKO 22-036-01	448	0.75	0.10	302		302	39	11 823	440
OTHER	339			184	5	179		7 191	
TOTAL-TINDASTOLL	787			486	5	481		19 014	
TODD (SA) 009-02W5									
TOTAL-TODD	106			65		65		2 542	
TOFIELD 050-19W4									
TOTAL-TOFIELD	357			234	30	204		7 553	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.23	0.129	0.80	14 920	44	0.785	0.66	1 564.7	1972	1982	TCPL
2.78	0.250	0.70	18 320	50	0.832	0.63	1 926.0	1973	1973	
16.50	0.060	0.80	29 300	85	0.953	0.66	2 762.8	1972	1985	TCPL
5.23	0.306	0.65	2 690	21	0.949	0.56	363.2	1976	1983	MIP PANALTA PROGAS TCPL CWNGNUL
1.08	0.203	0.50	3 860	16	0.924	0.57	481.1	1964	1986	TCPL PANALTA
10.55	0.135	0.70	12 560	64	0.817	0.69	1 465.8	1981	1987	
9.75	0.054	0.65	11 840	70	0.828	0.72	1 757.5	1953	1984	PANALTA PROGAS TCPL MATERIAL BALANCE OIL POOL DEPLETED
8.02	0.097	0.75	16 550	63	0.803	0.72	2 070.8	1970	1983	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
TOLSTAD (SA) 069-04W6									
TOTAL-TOLSTAD	261			187		187		7 704	
TOMAHAWK 052-05W5									
TOTAL-TOMAHAWK	94			65		65		2 443	
TOMATO 072-23W4									
TOTAL-TOMATO	378			223	102	121		4 570	
TONY CREEK NORTH 064-21W5									
TOTAL-TONY CREEK NORTH	854			571	41	530		21 019	
TOOGA (SA) 116-10W6									
TOTAL-TOOGA	30			13		13		489	
TORRINGTON 032-27W4									
TOTAL-TORRINGTON	18			11		11		422	
TOUCHWOOD (SA) 068-09W4									
TOTAL-TOUCHWOOD	12			8		8		297	
TRACY (SA) 095-12W5									
TOTAL-TRACY	20			10		10		367	
TRAP (SA) 017-04W5									
TOTAL-TRAP	206			149		149		6 298	
TROCHU 033-22W4									
TOTAL-TROCHU	1 594			994	378	616		24 070	
TUCKER LAKE (SA) 064-05W4									
TOTAL-TUCKER LAKE	2			1		1		37	
TURIN 010-18W4									
TOTAL-TURIN	4 139			2 648	567	2 081		77 981	
TURNER VALLEY 020-03W5									
RUNDLE SOLN	38 429	0.55	0.56	9 300	8 951	349	40	14 110	
RUNDLE ASSOC	41 270	0.90	0.72	10 400	10 361	39	40	1 577	
RUNDLE 32-021-03	413	0.85	0.10	316		316	40	12 691	440
TURNER VALLEY 33-020-03	591	0.80	0.15	402		402	40	16 004	200
OTHER	1 529			880	327	553		22 314	
TOTAL-TURNER VALLEY	82 232			21 298	19 639	1 659		66 696	
TWEEDIE 069-13W4									
VIKING B	711	0.65	0.05	439	323	116	37	4 266	7 201
GRAND RAPIDS D	1 184	0.70	0.05	788	676	112	37	4 165	7 054
GLAUCONITIC A	539	0.85	0.05	435			37		6 579
GLAUCONITIC D	107	0.65	0.05	67			37		2 450
MCMURRAY A	264	0.85	0.05	213			37		4 590
GLAUC A,D&MCMURRAY A TOTAL	910	0.85	0.05	715	695	20	37	740	
GLAUCONITIC B		0.75	0.05				37		8 601
MCMURRAY H		0.70	0.05				37		3 649
GLAUC B & MCMURRAY H TOTAL	1 423	0.75	0.05	1 000	632	368	37	13 609	
MCMURRAY B	453	0.75	0.05	323	230	93	37	3 440	1 525
MCMURRAY L	582	0.70	0.05	387	158	229	37	8 446	8 846
GROSMONT A	1 201	0.70	0.05	799	765	34	37	1 255	11 154
OTHER	2 991			1 841	767	1 074		39 859	
TOTAL-TWEEDIE	9 455			6 292	4 246	2 046		75 780	
TWINING 031-24W4									
VIKING A	643	0.80	0.10	463	202	261	41	10 748	4 404
LOWER MANNVILLE A ASSOC	425	0.75	0.10	287b			43		1 714
RUNDLE A ASSOC	8 000	0.75	0.10	5 400b			42		26 342
RUNDLE A SOLN	9 557	0.65	0.15	5 280b			42		
RUNDLE A & L MANN A TOTAL	17 982	0.70	0.10	10 967b	3 815b	7 152	42	300 670	
OTHER	5 427			3 150	842	2 308		91 711	
TOTAL-TWINING	24 052			14 580	4 859	9 721		403 129	
TWO CREEK (SA) 063-16W5									
TOTAL-TWO CREEK	202			124		124		5 324	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.80		1924	1974	PRODUCTION DECLINE DEEP CUT SL
						0.80		1924	1974	PRODUCTION DECLINE DEEP CUT SL
9.10	0.060	0.75	26 140	84	0.908	0.67	3 089.9	1972	1983	PANALTA
41.00	0.040	0.75	26 850	80	0.901	0.71	3 069.7	1981	1982	
1.10	0.240	0.65	2 360	18	0.954	0.56	234.0	1949	1985	TCPL MATERIAL BALANCE
2.28	0.350	0.60	2 220	19	0.955	0.57	281.8	1961	1986	TCPL PRODUCTION DECLINE
2.55	0.255	0.50	2 480	21	0.952	0.56	446.5	1963	1977	
1.37	0.250	0.50	2 480	19	0.951	0.56	458.4	1976	1977	
2.11	0.268	0.40	2 480	19	0.951	0.57	457.2	1961	1977	
								1961	1983	TCPL
2.10	0.255	0.50	2 480	21	0.952	0.56	429.8	1961	1985	PRODUCTION DECLINE
2.09	0.268	0.40	2 480	19	0.951	0.56	430.4	1961	1985	PRODUCTION DECLINE
								1961	1985	TCPL
1.78	0.260	0.45	2 500	24	0.954	0.56	461.4	1952	1985	TCPL PRODUCTION DECLINE
1.35	0.260	0.25	2 500	25	0.954	0.56	445.6	1952	1986	PROGAS TCPL MATERIAL BALANCE
7.85	0.110	0.40	2 480	19	0.951	0.57	470.2	1961	1987	TCPL PRODUCTION DECLINE
1.53	0.170	0.65	8 230	45	0.852	0.65	1 423.1	1966	1984	A&S TCPL
1.65	0.200	0.65	11 260	60	0.832	0.67	1 626.1	1962	1987	CONCURRENT PRODUCTION
7.60	0.058	0.60	11 410	63	0.841	0.66	1 622.8	1952	1987	CONCURRENT PRODUCTION
						0.65		1952	1987	CONCURRENT PRODUCTION
								1952	1987	A&S TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
UKALTA 057-17W4									
COLONY F	552	0.80	0.05	420	122	298	39	11 521	2 514
WABAMUN-GRAMINIA A	880	0.75	0.05	627	575	52	37	1 932	2 833
OTHER	4 038			2 633	405	2 228		84 164	
TOTAL-UKALTA	5 470			3 680	1 102	2 578		97 617	
UNWIN 045-02W4									
TOTAL-UNWIN	257			172		172		6 463	
UTIKUMA LAKE 081-09W5									
KEG RIVER SAND A SOLN	1 105	0.70	0.55	348	238	110	36	4 007	
OTHER	902			446	80	366		13 553	
TOTAL-UTIKUMA LAKE	2 007			794	318	476		17 560	
VALHALLA 075-10W6									
DOE CREEK A	3 948	0.80	0.05	3 000	861	2 139	42	88 897	20 150
DOE CREEK E	514	0.70	0.10	324	129	195	41	8 016	200
HALFWAY A	1 037	0.75	0.10	700		700	39	27 272	2 049
HALFWAY B ASSOC	5 428	C	C	3 920	45	3 875	40	155 000	6 247
OTHER	7 427			4 745	601	4 144		164 870	
TOTAL-VALHALLA	18 354			12 689	1 636	11 053		444 055	
VALLEYVIEW 070-21W5									
TOTAL-VALLEYVIEW	119			79		79		3 134	
VARDIE (SA) 115-08W6									
TOTAL-VARDIE	511			339		339		13 359	
VAUXHALL 012-17W4									
UPPER MANNVILLE B	649	0.90	0.15	496	41	455	40	18 023	200
GLAUCONITIC CH 07-012-17	754	0.85	0.10	577		577	38	22 070	200
OTHER	1 285			868	26	842		33 069	
TOTAL-VAUXHALL	2 688			1 941	67	1 874		73 162	
VEGA 061-03W5									
TOTAL-VEGA	283			186	6	180		7 089	
VENTRE (SA) 009-04W4									
TOTAL-VENTRE	56			34		34		1 216	
VENUS 101-09W6									
TOTAL-VENUS	114			73		73		2 773	
VERDANT (SA) 029-17W4									
TOTAL-VERDANT	17			9		9		330	
VERGER 022-15W4									
MILK RIVER A	7 864	0.70	0.05	5 230			36		79 068
MEDICINE HAT A	8 837	0.70	0.03	6 000			36		73 685
MEDICINE HAT C	174	0.50	0.03	84			36		6 785
MEDICINE HAT D	464	0.50	0.03	225			36		13 999
SECOND WHITE SPECKS A	2 835	0.75	0.05	2 020			36		29 329
SE ALTA GAS SYS(MU) TOTAL	20 174	0.70	0.05	13 559	3 404	10 155	36	370 251	
BASAL COLORADO A	576	0.85	0.05	466	384	82	38	3 126	3 081
MANNVILLE D ASSOC	469	0.75	0.05	334	27	307	39	11 905	1 523
OTHER	2 515			1 707	551	1 156		44 427	
TOTAL-VERGER	23 734			16 066	4 366	11 700		429 709	
VERMILION 050-05W4									
TOTAL-VERMILION	120			78		78		2 906	
VIKING-KINSELLA 047-10W4									
UPPER & MID VIKING A		0.85	0.03				37		194 196
UPPER MANNVILLE YY		0.85	0.03				37		1 667
U&M VIK A & U MANN YY TOTAL	35 172	0.85	0.05	29 000	18 118	10 882	37	404 919	
UPPER MANNVILLE D	608	0.75	0.05	433	382	51	37	1 866	712
UPPER MANNVILLE EE	1 220	0.70	0.05	811	784	27	36	974	587
UPPER MANNVILLE MMM	965	0.75	0.05	688	444	244	37	9 040	3 348
WAINWRIGHT	683	0.70	0.05	454	391	63	37	2 339	1 710

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.91	0.281	0.55	4 530	19	0.903	0.60	560.3	1979	1983	TCPL
10.00	0.246	0.40	4 140	27	0.926	0.56	656.0	1968	1985	TCPL PRODUCTION DECLINE
						0.84		1963	1979	TCPL
2.11	0.208	0.70	4 260	27	0.899	0.64	694.6	1974	1987	CWNGNUL PANALTA PROGAS TCPL MATERIAL BALANCE
1.80	0.110	0.50	4 520	31	0.894	0.67	674.7	1980	1987	PANALTA PRODUCTION DECLINE
4.50	0.085	0.70	21 710	86	0.910	0.61	2 141.4	1973	1983	
3.76	0.129	0.80	21 360	73	0.784	0.87	2 037.1	1978	1987	PART OF HALFWAY POOL NO.1 GAS CYCLING
16.26	0.216	0.70	11 440	35	0.800	0.70	1 055.2	1979	1982	PROGAS
14.00	0.250	0.80	11 580	34	0.797	0.68	1 081.8	1980	1982	PROGAS
3.93	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.78	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.65	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.84	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.25	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1987	CNG PANALTA TCPL
0.86	0.207	0.60	8 450	30	0.856	0.60	947.4	1959	1986	PANALTA PRODUCTION DECLINE
2.73	0.164	0.60	10 410	35	0.839	0.59	1 046.7	1970	1981	CNG TCPL CONCURRENT PRODUCTION OIL DEPLETED
1.43	0.230	0.55	5 580	24	0.894	0.60	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.80	0.340	0.55	5 580	26	0.898	0.58	699.5	1965	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1983	CWNGNUL KANNGAZ PANALTA TCPL PART OF VIK POOL NO.2
2.78	0.300	0.60	4 920	27	0.912	0.59	739.4	1973	1986	NUL CWNGNUL MATERIAL BALANCE
2.81	0.288	0.70	4 610	23	0.914	0.59	724.9	1955	1986	TCPL MATERIAL BALANCE
2.97	0.276	0.60	5 470	23	0.897	0.58	758.5	1949	1983	TCPL
4.08	0.266	0.65	5 220	23	0.902	0.58	709.0	1955	1986	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE ($10^6 m^3$)	2 RAW GAS: POOL RECOVERY (frac)	3 RAW GAS: SURFACE LOSS (frac)	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES ($10^6 m^3$)	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION ($10^6 m^3$)	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES ($10^6 m^3$)	7 MARKETABLE GAS: GROSS HEAT VALUE (MJ/m^3)	8 MARKETABLE GAS: REMAINING ENERGY CONTENT (TJ)	9 AREA (ha)
VIKING-KINSELLA 047-10W4 (CONTINUED)									
D-2 D	1 021	0.70	0.05	679	629	50	37	1 866	2 993
OTHER	14 749			9 326	3 973	5 353		200 717	
TOTAL-VIKING-KINSELLA	54 418			41 391	24 721	16 670		621 721	
VIOLET (SA) 079-02W4									
TOTAL-VIOLET	3			2		2		72	
VIRGINIA HILLS 064-13W5									
BELLOY A SOLN	632	0.38	0.30	168[b]			39		
BELLOY A ASSOC	1 278	0.92	0.15	1 000[b]	901[b]	267	39	10 464	2 228
BEAVERHILL LAKE SOLN	6 635	0.36	0.40	1 433	1 172	261	34	8 960	
OTHER	446			303	14	289		11 630	
TOTAL-VIRGINIA HILLS	8 991			2 904	2 087	817		31 054	
VIRGO 115-06W6									
BLUESKY A	502	0.50	0.05	238			37		10 470
BLUESKY A	14	0.65	0.05	9			38		200
BLUESKY A	154	0.50	0.05	73			37		200
BLUESKY A TOTAL	670	0.50	0.05	320	125	195	37	7 203	
OTHER	4 025			2 185	294	1 891		73 555	
TOTAL-VIRGO	4 695			2 505	419	2 086		80 758	
VOYAGER 045-17W5									
TOTAL-VOYAGER	149			92		92		3 665	
VULCAN 016-24W4									
TURNER VALLEY C	1 094	0.60	0.20	526	141	385	40	15 327	1 482
OTHER	626			429	305	124		4 830	
TOTAL-VULCAN	1 720			955	446	509		20 157	
WABASCA (SA) 085-24W4									
TOTAL-WABASCA	14			7		7		258	
WAINWRIGHT 045-06W4									
VIKING	2 210	0.50	0.05	1 050			38		28 755
COLONY R	90	0.75	0.05	65			35		1 320
COLONY V ASSOC	6	0.70	0.05	4			36		160
COLONY W ASSOC	1	0.70	0.05	1			36		52
COLONY G	58	0.75	0.05	42			36		641
VIK & CLY G,R,V,W&EE TOTAL	2 365	0.50	0.05	1 162	451	711	38	26 990	
COLONY	369	0.90	0.05	315	126	189	36	6 725	1 851
SPARKY E	480	0.75	0.05	342	298	44	35	1 529	1 741
OTHER	5 546			2 892	621	2 271		80 697	
TOTAL-WAINWRIGHT	8 760			4 711	1 496	3 215		115 941	
WALRUS (SA) 082-17W5									
TOTAL-WALRUS	71			48		48		1 821	
WANYANDIE 060-01W6									
UPPER CARDIUM 03-060-01	664	0.75	0.10	448		448	42	18 941	200
OTHER	852			582		582		24 894	
TOTAL-WANYANDIE	1 516			1 030		1 030		43 835	
WAPITI 067-10W6									
CADOTTE A	894	0.85	0.05	722	192	530	39	20 638	2 117
FALHER C-1	1 000	0.85	0.15	723	661	62	42	2 585	1 276
FALHER C-2	471	0.85	0.15	340	291	49	39	1 923	400
FALHER C-3	587	0.75	0.15	374	268	106	41	4 315	200
FALHER D-1	3 516	0.85	0.10	2 690	831	1 859	38	70 754	12 004
FALHER F-1	2 227	0.75	0.15	1 420	878	542	41	22 130	400
CADOMIN B	427	0.75	0.05	304	231	73	36	2 612	200
CADOMIN A	10 084	0.70	0.15	6 000	2	5 998	39	234 282	29 244
NIKANASSIN #1 30-066-10	793	0.75	0.05	565		565	37	21 024	200
NIKANASSIN 1&2 29-067-08	445	0.85	0.05	359		359	36	12 924	200
BELLOY 33-067-07	423	0.80	0.10	304		304	41	12 589	200

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.45	0.092	0.65	4 670	34	0.923	0.56	738.5	1960	1987	CWNGNUL TCPL PRODUCTION DECLINE
						0.69		1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION
3.27	0.184	0.75	13 440	77	0.859	0.69	1 883.7	1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION
						0.87		1957	1983	A&S CWNGNUL
2.00	0.210	0.40	2 690	12	0.941	0.59	217.9	1972	1982	PART OF BLSKY POOL NO.1
1.50	0.250	0.65	2 690	12	0.940	0.57	224.2	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-15-115-4 W6M
24.00	0.329	0.60	1 590	15	0.966	0.59	231.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 12-24-114-05 W6M
								1972	1982	PANALTA PART OF BLSKY POOL NO.1
6.37	0.101	0.60	16 820	64	0.830	0.75	1 833.6	1960	1979	TCPL
1.04	0.248	0.55	5 030	21	0.898	0.59	590.7	1953	1981	
1.52	0.210	0.50	4 140	23	0.926	0.58	593.8	1973	1985	
0.55	0.260	0.60	3 900	22	0.926	0.60	598.8	1975	1979	
0.51	0.200	0.55	4 150	22	0.922	0.60	600.0	1977	1979	
1.22	0.289	0.60	4 140	24	0.924	0.59	594.8	1973	1985	
								1953	1985	CWNGNUL PANALTA TCPL KANNGAZ
3.35	0.250	0.60	3 870	25	0.931	0.59	633.7	1952	1977	NONCOMMERCIAL OIL
2.04	0.307	0.70	4 220	22	0.925	0.59	615.6	1956	1986	PANALTA TCPL PRODUCTION DECLINE
10.70	0.200	0.89	19 610	92	0.877	0.68	2 291.0	1980	1980	
6.25	0.057	0.65	22 040	98	0.926	0.61	2 405.7	1980	1987	TCPL DEEP CUT SL
3.76	0.098	0.75	20 700	85	0.873	0.67	2 432.6	1978	1987	PANALTA PROGAS TCPL MATERIAL BALANCE DEEP CUT SL
6.40	0.087	0.65	16 940	78	0.867	0.68	2 250.8	1980	1986	TCPL PRODUCTION DECLINE DEEP CUT SL/NONCOMMERCIAL OIL
16.60	0.060	0.60	22 500	94	0.910	0.64	2 336.2	1979	1986	PANALTA PROGAS TCPL PRODUCTION DECLINE DEEP CUT SL
3.18	0.072	0.70	21 040	86	0.912	0.60	2 470.5	1979	1987	PANALTA PROGAS TCPL DEEP CUT SL
8.00	0.105	0.75	24 890	102	0.935	0.63	2 541.2	1979	1987	PANALTA PRODUCTION DECLINE DEEP CUT SL
4.60	0.130	0.75	21 770	65	0.901	0.59	2 389.3	1980	1987	TCPL PRODUCTION DECLINE DEEP CUT SL
4.37	0.047	0.70	21 420	88	0.892	0.67	2 805.2	1956	1987	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
19.30	0.110	0.85	25 000	77	0.924	0.60	2 914.0	1980	1984	DEEP CUT SL
11.40	0.110	0.80	24 700	69	0.927	0.58	2 606.1	1981	1984	PROGAS TCPL DEEP CUT SL
16.00	0.135	0.55	22 930	117	0.939	0.68	2 956.2	1980	1981	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS: INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS: POOL RECOVERY frac	3 RAW GAS: SURFACE LOSS frac	4 MARKETABLE GAS: INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS: NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS: REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS: GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS: REMAINING ENERGY CONTENT TJ	9 AREA ha
WAPITI 067-10W6 (CONTINUED)									
OTHER	9 661			6 545	420	6 125		245 535	
TOTAL-WAPITI	30 528			20 346	3 774	16 572		651 311	
WAPPAU (SA) 074-11W4									
TOTAL-WAPPAU	22			15		15		559	
WARRENSVILLE (SA) 084-24W5									
TOTAL-WARRENSVILLE	77			48		48		1 840	
WARSPITE 060-18W4									
TOTAL-WARSPITE	675			448	195	253		9 468	
WARWICK 052-14W4									
UPPER MANNVILLE G	587	0.75	0.05	418	417	1	38	38	1 655
UPPER MANNVILLE K	996	0.75	0.05	710	562	148	37	5 489	538
UPPER MANNVILLE M	500	0.70	0.05	333	306	27	37	1 001	1 782
UPPER MANNVILLE D	399	0.75	0.05	284			37		1 662
UPPER MANNVILLE NNN	52	0.65	0.05	32			38		924
UPPER MANNVILLE D&NNN TOTAL	451	0.75	0.05	316	265	51	37	1 895	
UPPER MANNVILLE MMM	535	0.70	0.05	356	249	107	37	3 978	365
OTHER	10 272			6 829	2 812	4 017		150 865	
TOTAL-WARWICK	13 341			8 962	4 611	4 351		163 266	
WASKAHIGAN 064-23W5									
DUNVEGAN A SOLN	228	0.60	0.10	123[b]			43		
DUNVEGAN A ASSOC	517	0.90	0.10	419[b]	302[b]	240	43	10 236	955
DUNVEGAN C SOLN	46	0.65	0.10	27[b]			42		
DUNVEGAN C ASSOC	1 000	0.80	0.10	720[b]	648[b]	99	42	4 186	2 341
DUNVEGAN B	920	0.85	0.10	704	493	211	43	9 039	2 613
OTHER	998			677	97	580		23 539	
TOTAL-WASKAHIGAN	3 709			2 670	1 540	1 130		47 000	
WATCH 054-22W5									
TOTAL-WATCH	181			131		131		5 245	
WATELET 047-26W4									
TOTAL-WATELET	489			316	54	262		10 131	
WATERTON 004-01W5									
RUNDLE C	7 143	0.80	0.30	4 000	509	3 491	38	130 913	2 373
RUNDLE J	2 533	0.75	0.40	1 140	7	1 133	37	42 091	301
RUNDLE D & E	19 479	0.80	0.52	7 480			37		2 986
RUNDLE D & E TOTAL	19 479	0.80	0.50	7 480	4 118	3 362	37	124 797	
RUNDLE A	1 358	0.80	0.30	760			37		200
RUNDLE H	391	0.85	0.25	249			37		150
RUNDLE A & H TOTAL	1 749	0.80	0.30	1 009	205	804	37	30 013	
MTHEAD & LVNGST15-003-30	968	0.90	0.15	740		740	43	31 531	150
RUNDLE 05-006-01	951	0.75	0.15	606		606	39	23 598	200
RUNDLE-WABAMUN A	84 194	0.88	0.34	48 900	39 393	9 507	37	354 421	5 768
WABAMUN B	924	0.85	0.28	565	304	261	37	9 589	386
WABAMUN 31-006-03	896	0.85	0.20	610		610	37	22 723	512
WABAMUN 03-006-03	868	0.65	0.20	451		451	37	16 597	200
OTHER	840			562	1	561		22 928	
TOTAL-WATERTON	119 577			65 323	44 537	20 786		777 670	
WATTS 031-16W4									
BANFF D SOLN	50	0.65	0.15	28[b]			48		
BANFF D ASSOC	443	0.85	0.15	320[b]	113[b]	235	48	11 374	969
OTHER	1 889			1 169	212	957		38 233	
TOTAL-WATTS	2 382			1 517	325	1 192		49 607	
WAVY LAKE 043-14W4									
TOTAL-WAVY LAKE	787			525	114	411		15 735	
WAYNE-ROSEDALE 027-19W4									
BELLY RIVER J	28	0.65	0.05	17			37		200
BELLY RIVER K	531	0.60	0.05	303			37		3 512
BELLY RIVER X	7	0.50	0.05	4			37		128
BELLY RIVER J,K & X TOTAL	566	0.60	0.05	324	38	286	37	10 579	
MEDICINE HAT A	1 664	0.70	0.03	1 130			36		25 907

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.70	0.280	0.75	4 930	27	0.907	0.58	760.5	1970	1983	TCPL PRODUCTION DECLINE
6.85	0.280	0.80	4 760	30	0.917	0.57	701.5	1970	1985	TCPL MATERIAL BALANCE
2.85	0.238	0.65	4 700	34	0.923	0.58	749.6	1970	1985	TCPL PRODUCTION DECLINE
1.39	0.236	0.50	4 740	30	0.919	0.56	731.1	1970	1986	MATERIAL BALANCE
0.89	0.232	0.55	4 690	24	0.913	0.56	717.2	1980	1984	
								1970	1986	TCPL
2.41	0.240	0.70	4 610	27	0.917	0.57	701.2	1971	1987	TCPL MATERIAL BALANCE
						0.65		1967	1986	A&S CONCURRENT PRODUCTION
5.12	0.160	0.65	10 240	63	0.852	0.65	1 546.5	1967	1986	A&S CONCURRENT PRODUCTION
						0.65		1959	1987	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.80	0.140	0.55	10 240	63	0.853	0.65	1 501.1	1959	1987	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.87	0.120	0.65	10 360	64	0.846	0.67	1 588.4	1961	1985	A&S MATERIAL BALANCE
26.88	0.050	0.75	36 540	91	0.956	0.77	3 549.3	1957	1984	A&S
61.38	0.055	0.80	33 450	80	0.865	0.84	3 255.7	1970	1987	A&S TOP/BASE TVD
23.43	0.050	0.80	34 890	79	0.840	0.95	3 536.3	1957	1986	MATERIAL BALANCE
								1957	1983	A&S
8.50	0.050	0.80	29 160	74	0.859	0.80	2 785.2	1960	1982	MATERIAL BALANCE DEEP CUT S/L
23.50	0.053	0.85	30 230	102	0.932	0.72	3 340.0	1960	1987	
								1960	1987	A&S
52.70	0.050	0.90	34 200	96	0.969	0.79	3 196.7	1987	1987	TOP/BASE TVD
52.00	0.040	0.80	40 530	104	1.070	0.63	4 441.5	1981	1982	PROGAS
27.90	0.053	0.80	32 960	80	0.906	0.85	3 124.2	1959	1983	A&S MATERIAL BALANCE GAS CYCLING
19.30	0.053	0.80	40 800	101	1.058	0.65	4 191.3	1958	1982	A&S PROGAS MATERIAL BALANCE
17.89	0.053	0.80	27 720	96	0.926	0.67	3 710.8	1964	1987	PROGAS
38.30	0.050	0.80	35 210	83	0.993	0.65	3 427.5	1981	1983	A&S PROGAS
						0.81		1984	1986	TCPL CONCURRENT PRODUCTION
3.47	0.135	0.80	9 300	37	0.700	0.81	1 203.9	1984	1986	TCPL CONCURRENT PRODUCTION
4.00	0.260	0.45	2 900	18	0.943	0.56	505.0	1978	1980	
3.42	0.236	0.60	3 080	24	0.944	0.56	702.6	1977	1987	
1.30	0.240	0.60	2 850	23	0.947	0.56	649.7	1981	1984	TCPL
								1977	1984	TCPL
1.36	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
WAYNE-ROSEDALE 027-19W4 (CONTINUED)									
SE ALTA GAS SYS (MU) TOTAL	1 664	0.70	0.05	1 130		1 130	36	41 200	
VIKING A	3 435	0.95	0.05	3 100	2 798	302	39	11 832	25 593
VIKING B	676	0.90	0.05	578	401	177	41	7 172	3 280
GLAUCONITIC A	1 050	0.90	0.10	851	833	18	40	712	1 625
GLAUCONITIC G	789	0.90	0.10	639	629	10	39	394	975
GLAUCONITIC T	2 139	0.80	0.10	1 540	426	1 114	39	43 413	8 079
OSTRACOD A	478	0.85	0.05	386	348	38	42	1 501	200
BASAL QUARTZ E SOLN	185	0.60	0.10	100b			41		
BASAL QUARTZ E ASSOC	421	0.80	0.10	303b	60b	343	41	14 022	684
BASAL QUARTZ EEE	488	0.70	0.10	308	148	160	42	6 730	615
OTHER	12 404			6 303	2 429	3 874		150 265	
TOTAL-WAYNE-ROSEDALE	24 295			15 562	8 110	7 452		287 920	
WEALD 050-19W5									
TOTAL-WEALD	594			431		431		17 060	
WEASEL 058-19W4									
TOTAL-WEASEL	189			128		128		4 851	
WEASONE (SA) 062-09W5									
TOTAL-WEASONE	100			67		67		2 782	
WEBSTER 074-05W6									
LOWER MANNVILLE A	767	0.80	0.10	553	55	498	42	20 871	2 052
BELLOY A	751	0.90	0.20	541	42	499	40	20 025	128
OTHER	651			480	186	294		11 675	
TOTAL-WEBSTER	2 169			1 574	283	1 291		52 571	
WELLBURN 009-18W4									
TOTAL-WELLBURN	63			35	26	9		312	
WEMBLEY 073-08W6									
HALFWAY B SOLN	4 140	0.65	0.30	1 884		1 884	40	75 360	
HALFWAY B ASSOC	5 678	c	c	4 100	38	4 062	40	162 480	5 980
DOIG E SOLN	292	0.65	0.30	133b			38		
DOIG E ASSOC	960	0.85	0.15	694b	55b	772	38	29 228	1 163
OTHER	760			498	1	497		19 458	
TOTAL-WEMBLEY	11 830			7 309	94	7 215		286 526	
WERNER 034-12W4									
TOTAL-WERNER	183			123		123		4 423	
WEST COVE 055-06W5									
TOTAL-WEST COVE	801			557		557		22 261	
WEST DRUMHELLER 030-21W4									
TOTAL-WEST DRUMHELLER	1 295			335	66	269		11 496	
WESTEEN (SA) 006-15W4									
TOTAL-WESTEEN	13			9		9		310	
WESTEROSE 046-28W4									
UPPER MANNVILLE B	3 055	0.80	0.10	2 200	272	1 928	40	76 503	3 435
D-3 SOLN	5 146	0.71	0.15	3 106b			42a		
D-3 ASSOC	3 597	c	c	3 000b	2 383b	3 723	42a	155 324	513
OTHER	1 636			1 083	20	1 063		41 346	
TOTAL-WESTEROSE	13 434			9 389	2 675	6 714		273 173	
WESTEROSE SOUTH 044-01W5									
GLAUCONITIC A	24 761	0.70	0.10	15 600	3 166	12 434	39	491 019	22 853
D-3 A	52 006	0.88	0.15	38 900	38 223	677	41	27 419	4 770
OTHER	2 699			1 760	22	1 738		68 539	
TOTAL-WESTEROSE SOUTH	79 466			56 260	41 411	14 849		586 977	
WESTLOCK 059-26W4									
VIKING U	386	0.85	0.04	315	37	278	39	10 900	5 538

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1904	1983	TCPL
2.06	0.200	0.70	8 070	38	0.847	0.63	1 184.8	1953	1984	CWNG CWNGNUL TCPL PANALTA MATERIAL BALANCE
2.87	0.174	0.40	8 070	38	0.849	0.64	1 214.2	1954	1982	TCPL MATERIAL BALANCE
4.75	0.198	0.70	10 070	42	0.797	0.69	1 330.1	1953	1982	TCPL MATERIAL BALANCE
4.42	0.180	0.75	11 107	41	0.792	0.68	1 331.9	1957	1980	TCPL MATERIAL BALANCE
2.49	0.167	0.60	9 670	40	0.828	0.64	1 294.0	1966	1987	TCPL PART OF GLAUC POOL NO.4
2.74	0.200	0.65	10 100	46	0.818	0.67	1 339.8	1962	1987	TCPL MATERIAL BALANCE
						0.70		1959	1987	TCPL CONCURRENT PRODUCTION
6.20	0.167	0.50	10 340	38	0.796	0.70	1 341.0	1959	1987	TCPL CONCURRENT PRODUCTION
6.80	0.178	0.60	9 810	42	0.811	0.67	1 232.2	1966	1982	TCPL
3.38	0.140	0.55	14 690	75	0.836	0.70	1 665.1	1973	1977	CWNGNUL TCPL
21.89	0.200	0.70	19 240	71	0.831	0.70	2 068.4	1973	1982	
						0.85		1978	1987	PROGAS SLPETRO PANALTA PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME/DEEP CUT SL
4.53	0.117	0.80	21 360	73	0.784	0.85	2 037.1	1978	1987	PROGAS SLPETRO PANALTA PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME/DEEP CUT SL
						0.71		1972	1987	PROGAS PANALTA CONCURRENT PRODUCTION DEEP CUT SL
6.69	0.077	0.80	21 660	85	0.859	0.71	2 117.9	1972	1987	PROGAS PANALTA CONCURRENT PRODUCTION DEEP CUT SL
7.62	0.124	0.70	11 750	46	0.779	0.71	1 690.6	1980	1987	PANALTA PROGAS SOQUIP
						0.79		1952	1987	TCPL GAS CYCLING, CONCURRENT PRODUCTION
57.33	0.080	0.90	17 470	81	0.826	0.79	2 146.1	1952	1987	TCPL GAS CYCLING, CONCURRENT PRODUCTION
10.55	0.114	0.55	16 600	73	0.833	0.70	1 848.6	1977	1987	PROGAS TCPL A&S SOQUIP
75.90	0.085	0.90	18 960	83	0.814	0.81	2 325.1	1954	1987	A&S TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
0.98	0.199	0.60	5 820	37	0.897	0.60	794.3	1959	1984	NORCEN TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
WESTLOCK 059-26W4 (CONTINUED)									
VIKING		0.95	0.04				39		34 319
VIKING B	525	0.80	0.05	399			38		8 596
VIKING I		0.95	0.04				39		4 811
VIKING J		0.95	0.04				39		400
VIKING K		0.95	0.04				39		2 531
VIKING L		0.95	0.04				39		1 893
VIKING M		0.95	0.04				39		916
VIKING N		0.95	0.04				39		6 992
VIKING O		0.95	0.04				39		1 457
VIKING P		0.95	0.04				39		1 461
VIKING Q		0.95	0.04				39		200
VIK,VIK BIJKLMNOP & Q TOTAL	13 377	0.95	0.05	12 200	9 898	2 302	39	90 077	
LOWER MANNVILLE B	502	0.75	0.10	339	228	111	40	4 408	1 993
OTHER	2 439			1 730	488	1 242		48 042	
TOTAL-WESTLOCK	16 704			14 584	10 651	3 933		153 427	
WESTPEM 049-13W5									
ELLERSLIE 26-049-13	694	0.50	0.10	312		312	39	12 280	128
BLUERIDGE 14-049-13	447	0.80	0.15	304		304	42	12 777	200
NISKU E	1 160	c	c	709		709	45a	31 735	87
OTHER	1 858			1 205	-680	1 885		76 607	
TOTAL-WESTPEM	4 159			2 530	-680	3 210		133 399	
WETASKIWIN 045-24W4									
TOTAL-WETASKIWIN	283			191		191		7 386	
WHISKEY 022-05W5									
RUNDLE A	2 647	0.40	0.15	900	36	864	41	35 251	440
OTHER	1 662			321		321		12 588	
TOTAL-WHISKEY	4 309			1 221	36	1 185		47 839	
WHITE ROSE (SA) 118-01W6									
TOTAL-WHITE ROSE	5			4		4		151	
WHITECOURT 060-11W5									
CADOMIN A & JURASSIC	2 195	0.80	0.10	1 580			41		1 879
CADOMIN A&JURASSIC E TOTAL	2 195	0.80	0.10	1 580	1 218	362	41	14 780	
JURASSIC C	4 444	0.75	0.10	3 000	1 352	1 648	40	65 969	684
JURASSIC D	1 345	0.80	0.10	968	285	683	41	27 825	2 108
PEKISKO E	4 741	0.75	0.10	3 200	1 251	1 949	40	78 603	4 807
OTHER	1 635			1 108	179	929		37 365	
TOTAL-WHITECOURT	14 360			9 856	4 285	5 571		224 542	
WHITEHORSE 049-15W5									
NISKU 20-050-15	502	0.80	0.15	342		342	38	12 941	128
OTHER	1 379			961	27	934		38 828	
TOTAL-WHITEHORSE	1 881			1 303	27	1 276		51 769	
WHITELAW 082-02W6									
SPIRIT RIVER F	310	0.80	0.05	236			38		1 629
SPIRIT RIVER G	260	0.65	0.05	161			37		2 119
SPIRIT RIVER H	185	0.65	0.05	114			39		1 668
SPIRIT RIVER FG & H TOTAL	755	0.70	0.05	511	201	310	38	11 718	
BLUESKY A	378	0.75	0.05	270			38		2 025
GETHING A	385	0.85	0.10	294			42		2 167
BLSKY A & GETH A TOTAL	763	0.80	0.10	564	140	424	40	16 884	
GETHING B	562	0.80	0.05	428	291	137	38	5 176	1 747
TRIASSIC A	618	0.90	0.10	501		501	39	19 459	816
OTHER	783			495	88	407		15 489	
TOTAL-WHITELAW	3 481			2 499	720	1 779		68 726	
WHITEMUD 051-25W4									
TOTAL-WHITEMUD	178			119	28	91		3 644	
WHITFORD 058-16W4									
VIKING A	1 300	0.80	0.05	988	38	950	37	35 321	16 299
OTHER	1 476			914	308	606		22 656	
TOTAL-WHITFORD	2 776			1 902	346	1 556		57 977	
WIDEWATER 073-08W5									
TOTAL-WIDEWATER	275			191		191		7 009	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.15	0.192	0.65	5 820	37	0.897	0.60	776.8	1949	1987	MATERIAL BALANCE
0.85	0.190	0.65	5 640	33	0.901	0.59	712.9	1972	1984	
1.50	0.203	0.65	5 820	37	0.897	0.60	759.4	1984	1984	MATERIAL BALANCE
1.25	0.206	0.60	5 820	37	0.897	0.60	767.2	1955	1984	MATERIAL BALANCE
1.02	0.190	0.60	5 820	37	0.897	0.60	748.7	1949	1984	MATERIAL BALANCE
0.62	0.130	0.50	5 820	37	0.897	0.60	783.8	1984	1984	MATERIAL BALANCE
0.77	0.190	0.65	5 820	37	0.897	0.60	724.1	1961	1984	MATERIAL BALANCE
0.81	0.162	0.55	5 820	37	0.897	0.60	784.2	1953	1984	MATERIAL BALANCE
0.52	0.190	0.50	5 820	37	0.897	0.60	762.5	1975	1984	MATERIAL BALANCE
1.32	0.191	0.65	5 820	37	0.897	0.60	734.2	1959	1984	MATERIAL BALANCE
1.20	0.192	0.65	5 820	37	0.897	0.60	718.7	1961	1984	MATERIAL BALANCE
								1949	1984	CWNGNUL NORCEN PANALTA PWGE TCPL
2.91	0.207	0.60	6 670	36	0.881	0.61	955.5	1951	1982	CWNGNUL TCPL NORCEN
27.40	0.150	0.80	19 380	104	0.887	0.70	2 479.7	1986	1987	
10.47	0.090	0.80	39 720	91	1.047	0.78	3 103.0	1980	1981	
39.30	0.106	0.90	39 720	106	1.083	1.26	3 148.9	1978	1982	GAS CYCLING
41.50	0.076	0.75	26 300	77	0.839	0.86	3 522.9	1968	1986	TCPL PRODUCTION DECLINE TOP/BASE TVD
5.38	0.168	0.50	12 830	66	0.855	0.65	1 527.1	1962	1987	MATERIAL BALANCE
								1962	1987	TCPL
2.35	0.157	0.70	12 700	63	0.860	0.63	1 532.8	1968	1985	TCPL MATERIAL BALANCE
7.31	0.144	0.50	12 170	64	0.847	0.68	1 582.7	1965	1986	PROGAS TCPL
10.29	0.118	0.65	12 780	66	0.858	0.65	1 585.0	1963	1986	PANALTA PROGAS TCPL
21.45	0.089	0.95	29 140	117	0.982	0.63	3 276.5	1981	1987	PROGAS TCPL BER
2.29	0.250	0.50	6 410	33	0.897	0.56	716.0	1951	1980	
2.02	0.230	0.50	5 140	30	0.914	0.55	620.6	1977	1978	
1.25	0.280	0.50	6 100	33	0.894	0.59	683.7	1977	1982	
								1951	1980	PANALTA TCPL
1.93	0.176	0.65	7 860	30	0.872	0.56	846.0	1950	1985	
1.83	0.190	0.65	7 440	40	0.861	0.62	870.9	1951	1985	
								1950	1985	CWNGNUL TCPL
3.26	0.190	0.65	7 540	33	0.877	0.57	877.6	1959	1985	CWNGNUL TCPL
3.51	0.210	0.70	9 860	40	0.813	0.67	997.3	1950	1973	NUL CWNGNUL
1.23	0.260	0.55	4 240	18	0.914	0.58	468.4	1949	1984	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
WILD HORSE CREEK 031-10W5									
RUNDLE A	2 084	0.45	0.20	750	627	123	38	4 678	668
TOTAL-WILD HORSE CREEK	2 084			750	627	123		4 678	
WILD RIVER 056-24W5									
WABAMUN A	648	0.85	0.15	468		468	38	17 798	64
IRETON A	622	0.90	0.05	532		532	37	19 833	200
LEDUC 16-056-23	833	0.80	0.05	633		633	37	23 237	200
OTHER	1 546			1 095		1 095		44 500	
TOTAL-WILD RIVER	3 649			2 728		2 728		105 368	
WILDCAT HILLS 027-06W5									
RUNDLE A	29 411	0.88	0.15	22 000	15 335	6 665	39	261 735	4 062
TOTAL-WILDCAT HILLS	29 411			22 000	15 335	6 665		261 735	
WILDMERE 048-05W4									
TOTAL-WILDMERE	6 521			4 371	996	3 375		121 429	
WILDUNN CREEK 029-14W4									
VIKING B	624	0.70	0.05	415	140	275	39	10 854	2 158
OTHER	354			211	98	113		4 270	
TOTAL-WILDUNN CREEK	978			626	238	388		15 124	
WILDWOOD 054-09W5									
TOTAL-WILDWOOD	462			327		327		13 005	
WILKINS 042-08W4									
TOTAL-WILKINS	154			103		103		3 918	
WILLESDEN GREEN 042-07W5									
BELLY RIVER E	877	0.80	0.10	632	2	630	41	26 044	1 531
CARDIUM A ASSOC	906	0.85	0.15	655[b]			41		3 934
CARDIUM A ASSOC	998	0.85	0.10	763[b]			40		4 697
CARDIUM A PRIMARY SOLN	3 376	0.70	0.40	1 418[b]			41		
CARDIUM A WATERFLOOD SOLN	12 056	0.27	0.60	1 302[b]			41		
CARDIUM A MISCIBLE SOLN	6 266	0.48	0.54	1 384[b]			41		
CARDIUM A TOTAL	23 602	0.45	0.45	5 522[b]	2 561[b]	2 961	41	121 371	
VIKING A SOLN	1 093	0.65	0.15	604[b]			41		
VIKING A ASSOC	513	0.70	0.15	305[b]	361[b]	548	41	22 605	1 076
GLAUCONITIC C	7 301	0.70	0.10	4 600			43		8 631
ELLERSLIE G	2 033	0.50	0.15	864			41		2 217
GLAUC C & ELRSL G TOTAL	9 334	0.65	0.10	5 464		5 464	40	220 910	
LOWER MANNVILLE33-043-06	468	0.90	0.15	358		358	40	14 384	200
OTHER	8 175			4 967	586	4 381		177 497	
TOTAL-WILLESDEN GREEN	44 062			17 852	3 510	14 342		582 811	
WILLINGDON 055-15W4									
VIKING A	425	0.80	0.05	323			38		10 815
VIKING B	8	0.75	0.05	6			37		200
VIKING A & B TOTAL	433	0.80	0.05	329	140	189	38	7 184	
OTHER	5 193			3 358	1 656	1 702		64 436	
TOTAL-WILLINGDON	5 626			3 687	1 796	1 891		71 620	
WILLOW 028-17W4									
TOTAL-WILLOW	439			297	125	172		6 767	
WILSON CREEK 043-04W5									
PEKISKO A	1 077	0.85	0.15	778	460	318	43	13 563	2 397
OTHER	73			56	31	25		1 025	
TOTAL-WILSON CREEK	1 150			834	491	343		14 588	
WIMBORNE 034-26W4									
D-2 B ASSOC	691	0.85	0.40	352		352	45	15 741	1 085
D-3 A SOLN	3 090	0.27	0.32	567[b]			37		
D-3 A ASSOC	11 765	0.85	0.25	7 500[b]	5 106[b]	2 961	37	109 735	6 093
OTHER	1 047			568	217	351		14 007	
TOTAL-WIMBORNE	16 593			8 987	5 323	3 664		139 483	
WINAGAMI 077-18W5									
TOTAL-WINAGAMI	153			103		103		3 962	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
26.69	0.077	0.85	21 720	62	0.858	0.66	2 164.5	1960	1984	A&S TCPL MATERIAL BALANCE TOP/BASE TVD
127.10	0.036	0.80	42 540	127	1.093	0.64	3 611.3	1968	1983	BER
10.18	0.140	0.90	37 820	138	1.079	0.56	3 950.1	1972	1975	
27.00	0.070	0.80	40 600	110	1.094	0.56	4 167.1	1980	1982	
43.30	0.073	0.85	26 960	84	0.921	0.69	2 982.0	1958	1984	A&S CWNGNUL TCPL MATERIAL BALANCE TOP/BASE TVD
2.29	0.251	0.60	7 790	33	0.864	0.58	948.7	1953	1981	KANNGAZ TCPL
6.16	0.141	0.55	10 550	46	0.784	0.69	1 546.8	1959	1987	A&S
1.88	0.112	0.50	20 170	58	0.792	0.72	1 785.3	1954	1985	
2.94	0.095	0.35	19 830	58	0.784	0.74	1 831.1	1954	1987	CONCURRENT PRODUCTION
						0.72		1954	1987	
						0.74		1954	1977	
						0.72		1954	1985	
								1954	1987	A&S PROGAS TCPL CONCURRENT PRODUCTION
						0.76		1956	1986	A&S KANNGAZ PROGAS TCPL CONCURRENT PRODUCTION
2.49	0.126	0.80	17 170	63	0.765	0.76	2 311.1	1956	1986	A&S KANNGAZ PROGAS TCPL CONCURRENT PRODUCTION
5.66	0.100	0.65	25 500	85	0.881	0.73	2 367.3	1978	1986	KANNGAZ PROGAS SOQUIP A&S
4.58	0.109	0.80	24 610	79	0.866	0.75	2 336.6	1964	1987	PROGAS SOQUIP
								1964	1987	
11.10	0.120	0.80	21 210	68	0.806	0.77	2 245.3	1975	1978	PANALTA
0.90	0.189	0.50	4 310	19	0.909	0.59	510.8	1949	1983	PART OF VIK POOL NO.6
0.70	0.230	0.55	4 420	18	0.911	0.58	512.8	1980	1980	PART OF VIK POOL NO.6
								1949	1983	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
5.67	0.059	0.75	19 270	87	0.850	0.76	2 146.7	1960	1972	A&S PROGAS TCPL
7.81	0.051	0.70	20 370	79	0.721	0.88	2 216.4	1957	1987	
						0.82		1956	1987	TCPL CONCURRENT PRODUCTION
13.63	0.079	0.90	20 750	80	0.839	0.82	2 277.6	1956	1987	TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
WINCHELL COULEE 029-06W5									
TOTAL-WINCHELL COULEE	50			32		32		1 256	
WINDFALL 060-15W5									
VIKING A	505	0.80	0.10	364	6	358	40	14 474	3 242
RUNDLE C	527	0.85	0.10	403	174	229	37	8 386	3 411
WINTERBURN 23-060-16	623	0.80	0.10	448		448	41	18 561	128
D-3 A SOLN	4 502	0.22	0.35	644[b]			38		
D-3 A ASSOC	21 288	c	c	7 560[b]	5 099[b]	3 105	38	117 990	4 738
D-3 E	1 408	0.85	0.30	838	33	805	38	30 815	300
OTHER	3 333			2 143	615	1 528		59 167	
TOTAL-WINDFALL	32 186			12 400	5 927	6 473		249 393	
WINDY 049-04W4									
TOTAL-WINDY	86			55	12	43		1 485	
WINEFRED (SA) 078-03W4									
TOTAL-WINEFRED	143			68		68		2 491	
WINTERING HILLS 025-17W4									
MILK RIVER A	1 940	0.70	0.05	1 290			36		22 242
MEDICINE HAT A	5 861	0.70	0.03	3 980			36		55 909
SE ALTA GAS SYS(MU) TOTAL	7 801	0.70	0.05	5 270	170	5 100	36	185 946	
UPPER MANNVILLE K	417	0.90	0.20	300	12	288	50	14 342	1 590
ELLERSLIE A ASSOC	1 960	0.80	0.05	1 490	78	1 412	41	57 850	3 709
OTHER	4 374			2 854	952	1 902		75 066	
TOTAL-WINTERING HILLS	14 552			9 914	1 212	8 702		333 204	
WIZARD LAKE 048-27W4									
D-3 A SOLN	6 758	0.95	0.13	5 585	5 065	520	38	19 770	
OTHER	1 063			673	-6 471	7 144		271 758	
TOTAL-WIZARD LAKE	7 821			6 258	-1 406	7 664		291 528	
WOKING 075-05W6									
BLUESKY B	435	0.80	0.05	331	187	144	39	5 580	861
OTHER	1 931			1 230	341	889		35 008	
TOTAL-WOKING	2 366			1 561	528	1 033		40 588	
WOLF 054-16W5									
TOTAL-WOLF	393			252		252		9 921	
WOLF SOUTH 051-15W5									
ROCK CREEK 11-051-15	596	0.80	0.05	453		453	39	17 540	200
OTHER	298			196		196		7 753	
TOTAL-WOLF SOUTH	894			649		649		25 293	
WOLVERINE 098-15W5									
TOTAL-WOLVERINE	182			108		108		3 815	
WOOD RIVER 043-23W4									
LOWER MANNVILLE B	545	0.80	0.10	392	239	153	44	6 732	394
OTHER	3 368			2 069	271	1 798		70 850	
TOTAL-WOOD RIVER	3 913			2 461	510	1 951		77 582	
WOODENHOUSE (SA) 087-22W4									
TOTAL-WOODENHOUSE	264			127		127		4 664	
WOODLAND 060-19W4									
TOTAL-WOODLAND	284			179	11	168		6 322	
WOOLFORD (SA) 003-24W4									
TOTAL-WOOLFORD	52			21		21		809	
WORKMAN 031-26W4									
TOTAL-WORKMAN	107			61	16	45		1 730	
WORSLEY 087-07W6									
D-3 A	761	0.85	0.07	602	514	88	39	3 415	1 367
D-3 B	827	0.90	0.07	692	682	10	38	381	1 726

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.71	0.084	0.80	10 820	48	0.832	0.64	1 571.9	1955	1978	PROGAS
1.70	0.075	0.80	16 720	79	0.891	0.63	1 908.0	1956	1978	PROGAS
42.25	0.060	0.90	24 260	85	0.904	0.68	2 445.3	1978	1982	PROGAS
						0.85		1955	1987	A&S PROGAS CONCURRENT PRODUCTION GAS CYCLING
32.92	0.063	0.85	26 100	104	0.856	0.85	2 582.9	1955	1987	A&S PROGAS CONCURRENT PRODUCTION GAS CYCLING
34.05	0.074	0.85	23 480	95	0.828	0.90	2 665.3	1984	1987	PROGAS TOP/BASE TVD
3.45	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.43	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	KANNGAZ PROGAS TCPL PANALTA
1.24	0.229	0.65	9 810	33	0.642	0.83	1 169.4	1979	1982	TCPL
4.85	0.182	0.55	9 690	38	0.814	0.66	1 117.8	1963	1987	KANNGAZ PANALTA TCPL PART OF ELRSL POOL NO.1 CONCURRENT PRODUCTION
						0.91		1951	1983	
1.91	0.180	0.65	12 160	46	0.842	0.60	1 406.0	1959	1986	NUL CWNGNUL PANALTA MATERIAL BALANCE
11.80	0.150	0.85	21 230	70	0.888	0.58	2 600.6	1981	1983	BER
5.24	0.156	0.70	10 470	51	0.794	0.75	1 418.5	1958	1979	TCPL MATERIAL BALANCE
8.53	0.059	0.80	22 820	85	0.904	0.67	2 253.1	1960	1969	MATERIAL BALANCE
17.14	0.063	0.80	22 380	83	0.908	0.65	2 212.6	1960	1984	WCOAST MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
WORSLEY 087-07W6 (CONTINUED)									
D-3 D	1 520	0.85	0.07	1 202	1 202	< 1	36	-	440
D-3 E	817	0.75	0.05	582	582	< 1	36	-	400
D-3 G	1 803	0.40	0.05	685	685	< 1	39	-	1 351
D-3 K	520	0.90	0.10	421	49	372	35	13 031	150
GRANITE WASH A	540	0.85	0.10	413	413	< 1	39	-	128
OTHER	1 850			1 176	290	886		32 936	
TOTAL-WORSLEY	8 638			5 773	4 417	1 356		49 763	
WRENTHAM 006-16W4									
TOTAL-WRENTHAM	95			59	1	58		1 999	
WROE (SA) 056-25W5									
TOTAL-WROE	305			216		216		8 072	
YEKAU LAKE 052-26W4									
TOTAL-YEKAU LAKE	319			218	65	153		5 803	
YELLOWSTONE (SA) 071-13W5									
TOTAL-YELLOWSTONE	19			12		12		485	
YOUNGSTOWN 031-10W4									
TOTAL-YOUNGSTOWN	512			326	36	290		11 280	
ZAMA 118-05W6									
SULPHUR POINT H	490	0.85	0.25	313		313	41	12 980	507
SULPHUR POINT I	628	0.85	0.15	454		454	39	17 515	498
OTHER	9 419			5 564	563	5 001		192 890	
TOTAL-ZAMA	10 537			6 331	563	5 768		223 385	
TOTAL NON-CONFIDENTIAL POOLS	5 134 270			3 034 691	1 374 966	1 659 725		64 399 844	
TOTAL CONFIDENTIAL POOLS	10 430			6 967		6 967		272 200	
SMALL GAS POOL REDUCTION	22 157			14 956		14 956		579 102	
PROVINCIAL TOTAL	5 122 543			3 026 702	1 374 966	1 651 736		64 092 942	
ETHANE AND NGL RECOVERABLE AT REPROCESSING PLANTS						54 000		4 400 000	
PROVINCIAL RESERVES MINUS ETHANE AND NGL						1 597 736		59 692 942	
WITHIN ECONOMIC REACH	5 027 647			2 970 359	1 374 966	1 595 393		61 907 109	
BEYOND ECONOMIC REACH	94 896			56 343		56 343		2 185 833	
ASSOCIATED	586 377			387 176[b]	310 724[b]	286 079		11 486 396	
SOLUTION	658 803			209 627[b]					
NON-ASSOCIATED	3 877 363			2 429 899	1 064 242	1 365 657		52 606 546	

[a] MEASURED HEATING VALUE.
[b] INCLUDES SOLUTION GAS PRODUCTION.
[c] POOL RECOVERY AND SURFACE LOSS CALCULATED ON AN ENERGY BASIS. SEE TABLE 4-2.

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
12.20	0.099	0.80	21 330	83	0.906	0.70	2 141.9	1961	1987	
15.85	0.120	0.85	21 230	76	0.906	0.66	2 296.7	1965	1987	WCOAST
13.76	0.059	0.80	22 750	83	0.900	0.68	2 221.1	1959	1986	
19.70	0.110	0.85	20 740	75	0.901	0.70	2 124.9	1984	1985	WCOAST
25.00	0.176	0.85	20 340	91	0.907	0.65	2 263.7	1975	1987	
7.32	0.104	0.85	12 820	56	0.742	0.83	1 336.2	1966	1969	PROGAS
14.08	0.081	0.85	13 100	60	0.860	0.66	1 353.9	1968	1969	PROGAS

5 ETHANE CONTENT OF GAS

This chapter discusses the 1987 production of ethane and presents the Board's estimate of the total volume of ethane contained in the remaining established reserves of gas. Although the Board believes that ethane extraction at crude-oil refineries and at plants processing synthetic crude oil may become viable in the future and that ethane will be recovered from solvent-flood schemes, it has not attempted to estimate the prospective reserves from those sources. The effect of future ethane recovery at gas reprocessing plants on Alberta's remaining established reserves of marketable gas is discussed in Chapter 4.

Ethane is defined in the Oil and Gas Conservation Act as "in addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane". Although the 1987 ethane recovery data conform with this definition, the ethane reserve estimates are calculated on the basis of ethane product assumed to be 100 per cent ethane.

Ethane volumes are given in the standard unit of cubic metres of ethane liquid at equilibrium pressure and 15 degrees Celsius. However, in Table 5-1, ethane reserves are also given in cubic metres of ethane gas at 101.325 kilopascals and 15 degrees Celsius. A conversion factor of 0.003 55 cubic metres of ethane liquid per cubic metre of ethane gas is used.

5.1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF GAS

The Board has developed a computer file of compositional gas analyses, which has been used extensively in preparing the ethane reserve figures in this section. Where a gas analysis was not available for a particular pool, a field or area average for the zone was used.

As shown in Table 5-1, the ethane content in liquefied form of the total remaining established reserves of marketable gas is some 314 million cubic metres, some 193 million of which is in currently producing pools and the remaining 121 million in unconnected or deferred pools. Of the ethane content in unconnected pools, some 8.4 million cubic metres is in pools currently considered beyond economic reach and some 1.4 million in confidential pools.

For individual gas pools, the ethane content of marketable gas in Alberta, with few exceptions, falls within the range of 0.0025 mole/mole to 0.20 mole/mole. The 31 December 1987 volume-weighted average ethane content of all remaining established marketable gas is 0.054 mole/mole, as indicated in Table 5-1.

5.2 EXTRACTION OF SPECIFICATION ETHANE IN 1987

During 1987 there was a significant increase in specification ethane extracted at the Dome Empress, ANG Cochrane, and Dome Edmonton plants, but a significant decrease in ethane extraction at the Petro-Canada Empress plant. Overall, the extraction of specification ethane increased from 6100 thousand cubic metres in 1986 to 7070 thousand cubic metres in 1987.

5.3 EXTRACTION OF ETHANE-PLUS PRODUCT IN 1987

Several gas plants began reporting the extraction of ethane-plus product during 1986. The total provincial extraction of ethane-plus for 1987 was 2747 thousand cubic metres with an estimated ethane content of approximately 0.72 mole/mole.

TABLE 5-1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF GAS
As at 31 December 1987

	1	2	3	4
Fields	**Remaining Established Reserves of Marketable Gas**	**Ethane Content[a]**	**Volume of Ethane**	
	10^6 m^3	mol/mol	10^6 m^3 (gas)	10^6 m^3 (liquid)
Major Fields				
Bonnie Glen	16 680	0.148	2 465	8.75
Brazeau River	26 850	0.077	2 057	7.30
Caroline	35 144	0.144	5 047	17.92
Cranberry	10 134	0.100	1 016	3.61
Crossfield	13 547	0.064	867	3.08
Edson	14 404	0.062	889	3.16
Elmworth	29 309	0.066	1 923	6.83
Ferrier	9 887	0.085	841	2.99
Garrington	10 965	0.097	1 061	3.77
Gilby	13 660	0.090	1 229	4.36
Harmattan East	15 988	0.089	1 424	5.06
Harmattan-Elkton	19 308	0.087	1 673	5.94
Jumping Pound West	31 274	0.041	1 270	4.51
Karr	9 673	0.092	891	3.16
Kaybob South	32 473	0.128	4 142	14.70
Leduc-Woodbend	13 333	0.133	1 771	6.29
Medicine River	11 036	0.094	1 038	3.68
Pembina	28 734	0.087	2 494	8.85
Rainbow	15 866	0.104	1 656	5.88
Ricinus	20 200	0.085	1 719	6.10
Sylvan Lake	13 008	0.093	1 216	4.32
Twining	9 721	0.093	899	3.19
Valhalla	11 053	0.076	840	2.98
Waterton	21 526	0.046	988	3.51
Wapiti	16 572	0.070	1 152	4.09
Westerose South	14 982	0.092	1 379	4.90
Willesden Green	14 342	0.107	1 536	5.45
Wizard Lake	7 664	0.166	1 274	4.52
Subtotal	487 333	0.092	44 757	159

TABLE 5-1 (continued)

Fields	1 **Remaining Established Reserves of Marketable Gas**	2 **Ethane Content**[a]	3 **Volume of Ethane**	4
	10^6 m^3	mol/mol	10^6 m^3 (gas)	10^6 m^3 (liquid)
Fields with over 1.50 x 10^9 m^3 of remaining established marketable gas but under 3.0 x 10^6 m^3 of ethane reserves	894 148	0.036	32 605	116
Subtotal	1 381 481	0.056	77 362	275
All other remaining established reserves of marketable gas	285 211	0.041	11 624	41
Small Gas Pool Reduction[b]	−14 956	0.041	− 613	−2
Total	1 651 736	0.054	88 373	314
			(3 137)[c]	(1 988)[d]

[a] Volume-weighted average. In several fields, ethane is extracted at field plants such that the actual ethane content of marketable gas from these fields is substantially less than this calculated content.

[b] See section 4.3 Small Gas Pool Reserves.

[c] Imperial equivalent in billions of cubic feet.

[d] Imperial equivalent in millions of barrels.

6 RESERVES OF NATURAL GAS LIQUIDS

Natural gas liquids are defined in the Oil and Gas Conservation Act as "propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate". For the purposes of this report, condensate recovered in stock tanks and marketed without processing is included in the reserves of pentanes plus. Also included in the pentanes plus category are higher-vapour-pressure products that contain substantial quantities of butanes recovered at several plants throughout the province.

6.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of natural gas liquids in the province as at 31 December 1987 to be 328 million cubic metres. Natural gas liquids from most unconnected and deferred pools were not included in reports issued before 1981. Thus, the 1981 and subsequent-year reserve additions should not be compared directly with additions shown in pre-1981 reports. The changes in the reserves during the past year are tabulated below:

	Established Reserves[a] 10^6 m^3 (liquid)			
	Propane	**Butanes**	**Pentanes Plus**	**Total**
Remaining at 31 December 1986	125.6	69.4	120.0	315.0
Additions during 1987	4.8	6.6	15.6	27.0
Less net production[b] during 1987	5.0	3.0	6.2	14.2
Remaining at 31 December 1987	125.4	73.0	129.4	327.8
	(790.1)[c]	(459.5)[c]	(814.2)[c]	(2 063.8)[c]
Cumulative net production[b] to 31 December 1987	100.6	63.5	164.9	329.0
Initial established reserves at 31 December 1987	226.0	136.5	294.3	656.8
	(1 423.8)[c]	(859.4)[c]	(1 852.0)[c]	(4 135.2)[c]

[a] Discrepancies are due to rounding.

[b] Net production means production less those volumes returned to the formation or injected to enhance the recovery of oil.

[c] Imperial equivalent in millions of barrels.

Also during 1987, propane and butane recovery at crude-oil refineries was 302.7 and 573.6 thousand cubic metres, respectively. Although propane and butanes are potentially recoverable at other crude-oil refineries and from processing crude bitumen, the Board has not attempted to estimate the prospective reserves from those sources.

6.2 MAJOR CHANGES TO RECOVERABLE RESERVES OF NATURAL GAS LIQUIDS

During 1987, the Board re-evaluated the liquid-recovery ratios and the remaining established reserves of gas in several pools, which resulted in changes in the remaining established reserves of natural gas liquids. The most significant increase in the remaining established reserves of natural gas liquids occurred in the Caroline Field, due to the discovery and evaluation of reserves for the Beaverhill Lake A Pool. The most significant decreases in the remaining established reserves of natural gas liquids occurred in the Swan Hills South, Brazeau River, and Kaybob South fields, due primarily to re-evaluated liquid recovery ratios, re-evaluated gas-in-place reserves, and production. The overall result was a net increase in the remaining established reserves of natural gas liquids, compared to 1986 levels.

6.3 DETERMINATION OF RECOVERABLE RESERVES OF NATURAL GAS LIQUIDS

The remaining established reserves of natural gas liquids consist of liquids that are expected to be extracted from the province's remaining established reserves of raw gas. The liquids recoverable from pools currently producing and connected to gas processing plants were generally determined using remaining recoverable raw-gas reserves, a raw-gas analysis, and the current plant recovery efficiency for each component. For retrograde condensate pools where dry gas is cycled, product recoveries have been determined from individual reservoir studies having regard for anticipated future cycling and blowdown operations.

For those pools not currently connected or on production, the Board estimated whether or not the gas would be processed for liquid recovery and, if so, the recovery efficiency for each component. This estimate was made on a broad judgement basis having regard for the gas composition in those pools. Confidential reserves and those considered beyond economic reach are included in the unconnected-reserve category.

The natural gas liquid reserves recoverable at reprocessing plants have been estimated by multiplying the remaining marketable gas reserves by the historic ratio of liquid production to marketable gas production. This assumes that both the liquid content of marketable gas and the portion of marketable gas to be reprocessed will remain constant. The Board believes that the approach gives a reasonable indication of the natural gas liquids recoverable at reprocessing plants.

The Board has also estimated the reserves of natural gas liquids being injected as solvent into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the portion of such solvent recoverable from each pool. Plant recovery factors of 85 per cent for propane, 95 per cent for butanes, and 100 per cent for pentanes plus were then applied to the pool recoveries to determine the reserves of natural gas liquids recoverable from solvent-flood schemes. A re-evaluation of both the injected and reproduced solvent volumes has resulted in changes in the Board's estimates of volumes recoverable from solvent floods. The 1987 estimates of natural gas liquids "Recoverable from Solvent Floods" (as stated at the end of Table 6-1) exclude volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

The following table shows the natural gas liquid reserves broken down into connected and unconnected categories. These reserves exclude volumes recoverable at reprocessing plants and from solvent-flood production.

Remaining Established Reserves As at 31 December 1987

10^6 m^3 (liquid)

	Propane	Butanes	Pentanes Plus	Total
Connected	40.1	28.9	69.5	138.5
Unconnected	32.1	21.7	49.6	103.4
Total	72.2	50.6	119.1	241.9

6.4 DISCUSSION OF RESERVES TABLE 6-1

The Board's current estimates of the remaining established reserves of natural gas liquids are detailed in Table 6-1. Fields containing 800 000 cubic metres or more of recoverable liquids are listed individually and those containing less are grouped under the "Beyond Economic Reach", "Confidential", and "Other Small Reserves" categories. Provincial reserves recoverable at reprocessing plants and from solvent-flood schemes are not included in the reserves for the individual pools but are shown as totals at the end of the table.

TABLE 6-1 REMAINING ESTABLISHED RESERVES OF NATURAL GAS LIQUIDS
As at 31 December 1987

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m³	m³/10^6 m³ of marketable gas			10^3 m³			
Ansell	Cardium	1 659	101	57	271	168	95	450	713
	Viking	438	46	16	110	20	7	48	75
	Mannville	2 672	40	24	106	106	63	284	453
	Jurassic	38	105	53	79	4	2	3	9
	Mississippian	784	4	1	10	3	1	8	12
	Subtotal					301	168	793	1 262
Bigoray	Cardium	30	133	200	300	4	6	9	19
	Mannville	2 257	86	42	121	193	95	272	560
	Jurassic	426	108	54	61	46	23	26	95
	Mississippian	449	33	18	40	15	8	18	41
	Winterburn	304	388	227	135	118	69	41	228
	Subtotal					376	201	366	943
Bigstone	Dunvegan	2 932	142	66	72	415	194	212	821
	Mannville	182	—	—	49	—	—	9	9
	Wabamun	116	147	78	86	17	9	10	36
	Subtotal					432	203	231	866
Bonnie Glen	Cardium	94	255	160	117	24	15	11	50
	Mannville	721	117	54	33	84	39	24	147
	Winterburn	189	116	53	42	22	10	8	40
	Leduc[a]	15 658	—	—	—	946	840	2 053	3 839
	Subtotal					1 076	904	2 096	4 076
Brazeau River	Cretaceous	2 518	108	51	175	271	129	440	840
	Jurassic	1 419	155	86	135	220	122	191	533
	Mississippian	13 294	—	—	64	—	—	855	855
	Winterburn[a]	9 614	—	—	—	1 208	1 200	6 669	9 077
	Subtotal					1 699	1 451	8 155	11 305
Caroline	Cardium	1 266	77	58	66	97	74	84	255
	Viking	1 478	53	41	99	78	61	147	286
	Mannville	14 989	86	54	166	1 290	812	2 495	4 597
	Jurassic	102	137	78	118	14	8	12	34
	Mississippian	1 046	76	62	245	79	65	256	400
	Leduc	140	114	86	150	16	12	21	49
	Beaverhill Lake	16 000	259	337	865	4 140	5 390	13 840	23 370
	Subtotal					5 714	6 422	16 855	28 991

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4	5	6 Remaining Established Reserves of Natural Gas Liquids	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Carrot Creek	Cardium	368	60	46	95	22	17	35	74
	Mannville	1 771	122	89	94	216	157	166	539
	Jurassic	1 509	140	78	106	211	118	160	489
	Subtotal					449	292	361	1 102
Carson Creek	Beaverhill Lake[a]	3 045	—	—	—	66	187	1 089	1 342
	Subtotal					66	187	1 089	1 342
Clive	Viking	204	83	49	83	17	10	17	44
	Mannville	947	135	73	156	128	69	148	345
	Winterburn	604	175	127	109	106	77	66	249
	Leduc	852	214	185	278	182	158	237	577
	Subtotal					433	314	468	1 215
Cranberry	Beaverhill Lake	8 226	58	61	258	478	498	2 125	3 101
	Elk Point	553	—	—	76	—	—	42	42
	Subtotal					478	498	2 167	3 143
Crossfield	Viking	218	32	18	119	7	4	26	37
	Mannville	960	94	60	134	90	58	129	277
	Jurassic	52	135	77	115	7	4	6	17
	Mississippian[a]	9 324	—	—	—	763	618	1 268	2 649
	Wabamun	2 961	7	6	20	21	19	60	100
	Subtotal					888	703	1 489	3 080
Dunvegan	Triassic	186	54	32	65	10	6	12	28
	Mississippian	12 703	18	15	68	227	190	866	1 283
	Subtotal					237	196	878	1 311
Edson	Cardium	1 090	110	73	115	120	80	125	325
	2nd White Specks	167	156	90	180	26	15	30	71
	Viking	2 781	20	7	65	57	19	180	256
	Mannville	2 858	84	43	100	241	122	286	649
	Jurassic	481	166	98	385	80	47	185	312
	Mississippian	6 847	—	—	38	—	—	258	258
	Subtotal					524	283	1 064	1 871

TABLE 6-1 (continued)

Field	Zone (1)	Remaining Reserves of Marketable Gas (2)	Liquid Recovery Ratio: Propane (3)	Butanes (4)	Pentanes Plus (5)	Remaining Established Reserves of Natural Gas Liquids: Propane (6)	Butanes (7)	Pentanes Plus (8)	Total (9)
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Elmworth	Cadotte	2 654	77	34	21	204	89	56	349
	Cardium	250	136	68	72	34	17	18	69
	Mannville	23 396	62	29	43	1 446	670	997	3 113
	Jurassic	1 407	4	2	38	6	3	54	63
	Triassic	740	365	227	118	270	168	87	525
	Subtotal					1 960	947	1 212	4 119
Ferrier	Belly River	207	150	63	14	31	13	3	47
	Cardium	5 318	120	76	179	640	406	951	1 997
	Viking	308	114	62	104	35	19	32	86
	Mannville	2 290	52	28	114	118	65	262	445
	Jurassic	167	132	66	72	22	11	12	45
	Mississippian	1 337	3	1	157	4	2	210	216
	Subtotal					850	516	1 470	2 836
Fir	Cardium	98	133	61	102	13	6	10	29
	Dunvegan	629	135	65	148	85	41	93	219
	Mannville	1 911	16	8	158	31	15	302	348
	Jurassic	473	—	—	359	—	—	170	170
	Triassic	5 341	7	4	20	37	23	105	165
	Mississippian	167	—	—	42	—	—	7	7
	Subtotal					166	85	687	938
Garrington	Cardium	256	180	117	387	46	30	99	175
	Viking	1 093	123	76	115	134	83	126	343
	Mannville	4 834	119	79	139	575	382	670	1 627
	Jurassic	608	84	54	169	51	33	103	187
	Mississippian	1 555	96	60	116	149	93	181	423
	Wabamun	1 536	127	98	157	195	151	241	587
	Leduc	874	170	98	72	149	86	63	298
	Subtotal					1 299	858	1 483	3 640
Ghost Pine	Viking	143	—	—	70	—	—	10	10
	Mannville	5 695	51	40	65	288	228	373	889
	Mississippian	664	57	39	69	38	26	46	110
	Subtotal					326	254	429	1 009

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio: Propane	4 Liquid Recovery Ratio: Butanes	5 Liquid Recovery Ratio: Pentanes Plus	6 Remaining Established Reserves of Natural Gas Liquids: Propane	7 Butanes	8 Pentanes Plus	9 Total
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Gilby	Cardium	429	—	—	438	—	—	188	188
	Mannville	5 899	80	52	77	473	307	455	1 235
	Jurassic	5 358	41	35	61	222	186	329	737
	Mississippian	1 872	97	55	98	182	103	183	468
	Wabamun	52	135	58	58	7	3	3	13
	Subtotal					884	599	1 158	2 641
Gold Creek	Upper Cretaceous	62	81	32	48	5	2	3	10
	Mannville	1 494	75	35	82	112	52	122	286
	Triassic	89	67	34	56	6	3	5	14
	Wabamun	1 563	—	—	468	—	—	732	732
	Subtotal					123	57	862	1 042
Harmattan East	Viking	223	108	63	58	24	14	13	51
	Mannville	355	115	87	217	41	31	77	149
	Mississippian[a]	15 410	—	—	—	148	103	374	625
	Subtotal					213	148	464	825
Harmattan-Elkton	Cardium	39	205	103	128	8	4	5	17
	Mannville	59	119	68	102	7	4	6	17
	Mississippian[a]	19 105	—	—	—	592	489	1 391	2 472
	Subtotal					607	497	1 402	2 506
Hussar	Viking	1 033	9	5	15	9	5	15	29
	Basal Colorado	224	9	9	13	2	2	3	7
	Mannville	7 638	79	54	56	600	412	424	1 436
	Mississippian	53	94	57	38	5	3	2	10
	Subtotal					616	422	444	1 482
Judy Creek	Viking	369	14	11	73	5	4	27	36
	Beaverhill Lake	2 271	369	200	201	837	455	457	1 749
	Subtotal					842	459	484	1 785
Jumping Pound West	Mississippian	31 273	30	27	83	934	852	2 609	4 395
	Subtotal					934	852	2 609	4 395

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio Propane	4 Butanes	5 Pentanes Plus	6 Remaining Established Reserves of Natural Gas Liquids Propane	7 Butanes	8 Pentanes Plus	9 Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Karr	Upper Cretaceous	322	6	6	59	2	2	19	23
	Mannville	8 811	48	51	181	426	449	1 596	2 471
	Jurassic	51	98	39	78	5	2	4	11
	Subtotal					433	453	1 619	2 505
Kaybob	Viking	290	76	38	55	22	11	16	49
	Mannville	6 292	49	26	38	308	164	237	709
	Wabamun	16	125	63	63	2	1	1	4
	Beaverhill Lake[a]	1 988	—	—	—	499	352	617	1 468
	Subtotal					831	528	871	2 230
Kaybob South	Viking	288	87	38	42	25	11	12	48
	Mannville	6 006	14	6	67	87	37	404	528
	Jurassic	167	90	48	84	15	8	14	37
	Triassic	1 917	122	64	93	233	123	179	535
	Winterburn	766	63	56	128	48	43	98	189
	Beaverhill Lake[a]	23 291	—	—	—	704	1 694	5 684	8 082
	Subtotal					1 112	1 916	6 391	9 419
Leduc-Woodbend	Cardium	162	74	43	25	12	7	4	23
	Viking	251	—	—	36	—	—	9	9
	Mannville	3 244	113	52	48	366	169	157	692
	Wabamun	813	116	64	55	94	52	45	191
	Winterburn	448	275	152	219	123	68	98	289
	Leduc	8 383	98	102	52	822	855	436	2 113
	Subtotal					1 417	1 151	749	3 317
Leedale	Belly River	32	125	94	781	4	3	25	32
	Mannville	1 512	135	72	104	204	109	157	470
	Jurassic	215	60	33	228	13	7	49	69
	Mississippian	1 663	111	66	146	184	109	242	535
	Subtotal					405	228	473	1 106

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio Propane	4 Butanes	5 Pentanes Plus	6 Remaining Established Reserves of Natural Gas Liquids Propane	7 Butanes	8 Pentanes Plus	9 Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Medicine River	Viking	174	207	172	92	36	30	16	82
	Mannville	5 773	112	77	62	645	444	360	1 449
	Jurassic	1 604	65	54	42	105	86	68	259
	Mississippian	3 219	114	72	55	366	232	176	774
	Leduc	83	133	72	60	11	6	5	22
	Subtotal					1 163	798	625	2 586
Minehead	Belly River	20	150	100	250	3	2	5	10
	Cardium	2 214	87	58	219	193	129	484	806
	Mississippian	93	129	75	118	12	7	11	30
	Subtotal					208	138	500	846
Minnehik-Buck Lake	Belly River	399	100	33	55	40	13	22	75
	Cardium	200	200	65	80	40	13	16	69
	Mannville	701	63	31	57	44	22	40	106
	Jurassic	266	45	23	64	12	6	17	35
	Mississippian	6 575	8	4	77	55	28	508	591
	Subtotal					191	82	603	876
Mitsue	Gilwood	2 517	482	296	152	1 213	745	383	2 341
	Subtotal					1 213	745	383	2 341
Moose	Mississippian	2 555	65	52	217	165	132	554	851
	Subtotal					165	132	554	851
Niton	Mannville	7 170	41	32	136	294	228	978	1 500
	Jurassic	436	46	34	112	20	15	49	84
	Subtotal					314	243	1 027	1 584
Paddle River	Mannville	265	113	83	309	30	22	82	134
	Jurassic	1 817	173	80	66	315	146	120	581
	Mississippian	895	106	57	89	95	51	80	226
	Subtotal					440	219	282	941

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio Propane	4 Butanes	5 Pentanes Plus	6 Remaining Established Reserves of Natural Gas Liquids Propane	7 Butanes	8 Pentanes Plus	9 Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Peco	Belly River	282	121	64	110	34	18	31	83
	Cardium	131	99	53	92	13	7	12	32
	Viking	232	108	60	103	25	14	24	63
	Mannville	2 047	89	57	330	182	116	675	973
	Jurassic	1 536	113	59	132	174	90	203	467
	Winterburn	61	16	33	443	1	2	27	30
	Subtotal					429	247	972	1 648
Pembina	Belly River	3 743	83	60	96	310	226	358	894
	Cardium	10 710	211	94	78	2 261	1 011	831	4 103
	Viking	262	130	65	53	34	17	14	65
	Mannville	7 919	100	54	75	790	424	590	1 804
	Jurassic	1 310	107	56	92	140	74	120	334
	Mississippian	1 213	111	66	84	135	80	102	317
	Winterburn	3 296	258	125	84	851	413	278	1 542
	Subtotal					4 521	2 245	2 293	9 059
Progress	Triassic	3 414	31	18	223	107	61	763	931
	Subtotal					107	61	763	931
Quirk Creek	Mississipian	3 197	83	61	137	264	194	437	895
	Subtotal					264	194	437	895
Rainbow	Mannville	3 181	10	6	7	33	20	22	75
	Slave Point	768	125	76	86	96	58	66	220
	Sulphur Point	1 248	127	81	114	158	101	142	401
	Muskeg	677	267	134	99	181	91	67	339
	Keg River	9 890	326	184	188	3 223	1 822	1 864	6 909
	Subtotal					3 691	2 092	2 161	7 944
Ricinus	Cardium[a]	13 367	—	—	—	1 148	784	1 762	3 694
	Viking	3 894	37	21	86	144	81	333	558
	Winterburn	250	96	108	84	24	27	21	72
	Leduc	2 531	—	—	2	—	—	6	6
	Subtotal					1 316	892	2 122	4 330

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4	5	6 Remaining Established Reserves of Natural Gas Liquids	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Shekilie	Sulphur Point	490	94	65	71	46	32	35	113
	Muskeg	164	85	55	85	14	9	14	37
	Elk Point	24	208	167	125	5	4	3	12
	Keg River	1 963	157	91	96	309	179	188	676
	Subtotal					374	224	240	838
Sinclair	Upper Cretaceous	2 329	59	27	61	137	64	142	343
	Mannville	5 317	28	17	22	147	90	119	356
	Jurassic	500	126	56	92	63	28	46	137
	Subtotal					347	182	307	836
Strachan	Cardium	61	164	82	82	10	5	5	20
	Mannville	2 184	28	12	71	61	26	154	241
	Jurassic	59	102	51	34	6	3	2	11
	Leduc	5 390	47	43	201	251	233	1 085	1 569
	Subtotal					328	267	1 246	1 841
Swan Hills	Beaverhill Lake	1 201	694	425	232	834	510	279	1 623
	Subtotal					834	510	279	1 623
Swan Hills South	Beaverhill Lake	1 080	691	457	293	746	494	316	1 556
	Subtotal					746	494	316	1 556
Sylvan Lake	Viking	293	137	89	130	40	26	38	104
	Mannville	6 651	113	66	91	754	441	606	1 801
	Jurassic	2 027	123	70	85	250	142	173	565
	Mississippian	3 104	107	62	86	332	193	266	791
	Leduc	840	107	96	150	90	81	126	297
	Subtotal					1 466	883	1 209	3 558
Twining	Viking	729	30	14	49	22	10	36	68
	Mannville	1 363	58	43	116	79	58	158	295
	Mississippian	7 340	38	43	81	279	313	592	1 184
	Subtotal					380	381	786	1 547

TABLE 6-1 (continued)

Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
	1	2	3	4	5	6	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Valhalla	Doe Creek	3 106	2	1	19	7	3	60	70
	Mannville	1 351	43	19	33	58	26	44	128
	Jurassic	56	125	71	107	7	4	6	17
	Triassic[a]	5 939	—	—	—	964	629	1 465	3 058
	Subtotal					1 036	662	1 575	3 273
Waterton	Cardium	105	95	57	95	10	6	10	26
	Mannville	274	84	40	58	23	11	16	50
	Mississippian[a]	18 953	—	—	—	1 034	1 183	4 070	6 287
	Subtotal					1 067	1 200	4 096	6 363
Wembley	Triassic[a]	6 813	—	—	—	1 108	659	1 506	3 273
	Subtotal					1 108	659	1 506	3 273
Westerose	Mannville	2 903	138	71	99	401	206	287	894
	Winterburn	71	113	85	141	8	6	10	24
	Leduc	3 727	288	193	192	1 074	718	715	2 507
	Subtotal					1 483	930	1 012	3 425
Westerose South	Mannville	13 621	150	77	96	2 046	1 045	1 313	4 404
	Mississippian	246	134	65	69	33	16	17	66
	Wabamun	288	—	—	38	—	—	11	11
	Leduc	677	158	109	266	107	74	180	361
	Subtotal					2 186	1 135	1 521	4 842
Westpem	Mannville	1 082	115	64	94	124	69	102	295
	Jurassic	146	137	82	123	20	12	18	50
	Winterburn[a]	1 982	—	—	—	269	229	467	965
	Subtotal					413	310	587	1 310
Willesden Green	Belly River	1 447	100	68	62	144	99	90	333
	Cardium	3 772	97	70	98	364	264	369	997
	Viking	778	181	100	120	141	78	93	312
	Mannville	7 381	39	25	343	291	184	2 534	3 009
	Jurassic	667	279	201	133	186	134	89	409
	Mississippian	302	96	56	89	29	17	27	73
	Subtotal					1 155	776	3 202	5 133

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4	5	6 Remaining Established Reserves of Natural Gas Liquids	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Windfall	Viking	434	—	—	55	—	—	24	24
	Mannville	420	26	12	43	11	5	18	34
	Mississippian	456	24	13	59	11	6	27	44
	Winterburn	666	—	—	81	—	—	54	54
	Leduc[a]	4 481	—	—	—	25	33	536	594
	Beaverhill Lake	16	375	188	125	6	3	2	11
	Subtotal					53	47	661	761
Wizard Lake	Mannville	266	113	56	60	30	15	16	61
	Winterburn	15	200	133	67	3	2	1	6
	Leduc	7 338	346	199	60	2 539	1 460	440	4 439
	Subtotal					2 572	1 477	457	4 506
Zama	Beaverhill Lake	1 407	11	9	48	16	12	68	96
	Sulphur Point	3 675	95	64	91	350	234	334	918
	Muskeg	136	147	96	118	20	13	16	49
	Keg River	548	173	109	115	95	60	63	218
	Subtotal					481	319	481	1 281
Subtotal						55 742	40 336	91 022	187 100
Reserves Beyond Economic Reach						1 662	949	2 664	5 275
Confidential Reserves						354	194	450	998
Other Small Reserves						14 714	9 238	25 362	49 314
Small Gas Pool Reduction[b]						–225	–141	–388	–754
Subtotal						72 247	50 576	119 110	241 933
Recoverable at Reprocessing Plants						48 580	19 460	8 220	76 260
Recoverable from Solvent Floods						4 580	2 940	2 050	9 570
Total Reserves						125 407	72 976	129 380	327 763
						(790.1)[c]	(459.5)[c]	(814.2)[c]	(2 063.8)[c]

[a] Includes gas cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. Liquid recovery ratios are not included due to those parameters changing with time.

[b] See section 4.3 Small Gas Pool Reserves.

[c] Imperial equivalent in millions of barrels.

7 RESERVES OF SULPHUR

7.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of elemental sulphur in the province as at 31 December 1987 to be some 102 million tonnes. The changes in sulphur reserves during the past year are as follows:

	Established Sulphur Reserves from Natural Gas	Established[a] Sulphur Reserves from Crude Bitumen	Total Established Sulphur Reserves
	10^6 t	10^6 t	10^6 t
Remaining at 31 December 1986	73.9	15.1	89.0
Additions during 1987	18.1	0.0	18.1
Production during 1987	5.0	0.4	5.4
Remaining at 31 December 1987	87.0	14.7	101.7
	(85.6)[b]	(14.5)[b]	(100.1)[b]
Cumulative net production to 31 December 1987	119.1	3.7	122.8
Initial established reserves at 31 December 1987	206.1	18.4	224.5
	(202.8)[b]	(18.1)[b]	(221.0)[b]

[a] Recoverable reserves of elemental sulphur under active development at Suncor and Syncrude plants.

[b] Imperial equivalent in millions of long tons.

7.2 SULPHUR FROM NATURAL GAS

Of the cumulative net production of 119.1 million tonnes at year-end 1987, some 6.7 million were stockpiled at various gas plants in the province. Over the years, stockpiling reflected a lack of markets for a portion of the production and, in part, a shortage of slating, loading, and transportation facilities and limited ocean-terminal storage capacity. However, with recently improved sulphur markets, producers have reduced their stockpiles to meet the increase in demand. Consequently, the sulphur stockpiled at year-end 1987 was some 1.3 million tonnes less than at year-end 1986.

The Board's estimates of remaining established reserves of sulphur recoverable from gas have been prepared by applying the appropriate hydrogen sulphide (H_2S) content and sulphur recovery efficiency to the remaining established reserves of raw gas in each pool. Where sulphur is currently being recovered, historical recovery efficiencies have been used. Where sulphur recovery is anticipated from gas reserves not yet being produced, the recovery efficiency has been estimated on the basis of the minimum sulphur recovery efficiency guidelines published in the Board's Informational Letter IL 80-24. The remaining established reserves of sulphur for cycling schemes were determined from a detailed assessment of each pool and, because the H_2S content in the gas changes with time, only the remaining reserves are reported.

Of the 87.0 million tonnes of remaining sulphur recoverable from gas, some 54.4 million are in currently producing pools and the remaining 32.6 million are in unconnected pools. The unconnected reserves include some 5.7 million tonnes in pools considered beyond economic reach.

The Board's reserve estimates are shown in Table 7-1. Fields containing 800 000 tonnes or more of recoverable sulphur are listed individually and those containing less are grouped under "Small Reserves". The remaining established reserves of sulphur for 1987 have increased significantly from last year as a result of the discovery and evaluation of reserves in the Caroline Beaverhill Lake A Pool. A reduction of sulphur reserves in the Windfall, Ricinus West, Waterton, and Crossfield East fields occurred primarily due to production and re-evaluation of reserves.

7.3 SULPHUR FROM CRUDE BITUMEN

Crude bitumen in oil sands deposits contains significant amounts of sulphur. During the conversion of crude bitumen into synthetic crude oil, approximately 76 per cent of the sulphur contained in the crude bitumen is either recovered in the form of elemental sulphur or remains in products including coke.

It is currently estimated that some 150 million tonnes of elemental sulphur will be recoverable from the 5.3 billion cubic metres of remaining established crude bitumen reserves in the surface-mineable area. These sulphur reserves were estimated by multiplying the remaining established reserves of crude bitumen by a factor of 28.6 tonnes per thousand cubic metres of crude bitumen. This ratio was based on recent experience at existing bitumen synthetic-crude-oil plants. Earlier Board estimates of the sulphur recoverable from bitumen included both the sulphur in coke and that recoverable as elemental sulphur. The above estimate includes only the elemental sulphur expected to be produced in recovering the synthetic crude oil.

7.4 SULPHUR FROM CRUDE BITUMEN RESERVES UNDER ACTIVE DEVELOPMENT

Only a portion of the surface-mineable established reserves of crude bitumen are under active development at the approved Suncor and Syncrude projects. The initial established reserves of elemental sulphur for the Suncor and Syncrude plants are 18.4 million tonnes, of which 3.7 million tonnes have been produced leaving a remaining established reserve of elemental sulphur of 14.7 million tonnes. During 1987, 420 966 tonnes of sulphur were recovered at bitumen synthetic-crude-oil plants.

The changes in established sulphur reserves during 1987 are summarized in section 7.1.

TABLE 7-1 REMAINING ESTABLISHED RESERVES OF SULPHUR
As at 31 December 1987

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Blackstone	Beaverhill Lake	13 691	0.107	99	1 970
	Subtotal				1 970
Brazeau River	Mississippian	13 912	0.010	93	178
	Nisku[c]	—	—	—	2 414
	Subtotal				2 592
Burnt Timber	Mississippian	8 084	0.080	97	848
	Wabamun	2 274	0.304	97	909
	Subtotal				1 757
Caroline	Mannville	28	0.028	94	1
	Nisku	186	0.518	95	124
	Leduc[b]	2 272	0.831	98	2 509
	Beaverhill Lake	35 556	0.368	99	17 570
	Subtotal				20 204
Coleman	Mississippian	1 977	0.279	97	725
	Wabamun	1 436	0.279	97	527
	Subtotal				1 252
Crossfield	Mannville	402	0.006	99	3
	Mississippian	10 343	0.007	99	95
	Wabamun	6 167	0.317	99	2 628
	Subtotal				2 726
Crossfield East	Mississippian	6	0.259	95	2
	Wabamun	6 868	0.344	99	3 170
	Subtotal				3 172
Hanlan	Nisku	547	0.052	99	38
	Beaverhill Lake	27 536	0.092	99	3 386
	Subtotal				3 424
Jumping Pound West	Mississippian	38 898	0.065	97	3 327
	Subtotal				3 327
Kaybob South	Triassic	2 209	0.003	98	8
	Nisku	1 001	0.192	98	255
	Beaverhill Lake[c]	—	—	—	3 343
	Subtotal				3 606

TABLE 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Limestone	Mississippian	8 777	0.047	99	554
	Wabamun	2 611	0.189	99	664
	Nisku	372	0.140	99	70
	Leduc	1 329	0.163	99	290
	Subtotal				1 578
Moose	Mississippian	3 369	0.111	98	498
	Wabamun	1 343	0.416	97	735
	Subtotal				1 233
Obed	Nisku	2 858	0.241	98	917
	Leduc	962	0.314	97	397
	Subtotal				1 314
Okotoks	Mississippian	255	0.012	95	4
	Wabamun	8 054	0.345	99	3 734
	Subtotal				3 738
Panther River	Mississippian	2 901	0.071	96	267
	Wabamun[b]	883	0.684	97	794
	Nisku[b]	476	0.704	97	441
	Subtotal				1 502
Pine Creek	Jurassic	3 063	0.002	95	6
	Mississippian	265	0.023	95	8
	Wabamun	2 182	0.281	98	815
	Leduc	1 859	0.247	98	609
	Subtotal				1 438
Ricinus	Nisku	600	0.334	96	261
	Leduc	4 362	0.307	99	1 798
	Subtotal				2 059
Ricinus West	Leduc	8 562	0.332	99	3 816
	Subtotal				3 816
Strachan	Leduc	7 148	0.094	99	905
	Subtotal				905
Waterton	Mississippian	15 793	0.228	99	4 842
	Wabamun	1 855	0.137	96	332
	Rundle-Wabamun[c]	—	—	—	3 919
	Subtotal				9 093

TABLE 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Wimborne	Nisku	602	0.162	95	126
	Leduc	3 968	0.134	95	684
	Subtotal				810
Windfall	Mannville	15	0.050	98	1
	Mississippian	490	0.040	98	26
	Nisku	809	0.129	95	134
	Leduc[c]	—	—	—	1 258
	Subtotal				1 419
Subtotal					72 935
Other Reserves					14 164
Small Gas Pool Reduction[d]					–144
Total Reserves					86 955
					(85 582)[e]

[a] Volume-weighted average.

[b] Currently considered beyond economic reach.

[c] Includes gas-cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. H_2S content is not included due to gas composition changing with time.

[d] See section 4.3 Small Gas Pool Reserves.

[e] Imperial equivalent in thousands of long tons.

8 ULTIMATE POTENTIAL

In 1979, the Board held a hearing to review the ultimate potential of Alberta's natural gas and, in 1980, that of Alberta's crude oil and equivalent. Its findings on gas were summarized in ERCB Report 79-G[1] and on crude oil in ERCB Report 81-B[2].

During 1985 the Board issued ERCB Report 85-A[3] which provided a forecast of Alberta oil supply from all sources for the years 1985 to 2010. This forecast comprised an update to the detailed forecast presented in ERCB Report 81-B and in ERCB Report 83-E[4]. The following sections abstract from these reports. The values for ultimate potential for all resources are approximate.

8.1 CONVENTIONAL CRUDE OIL

The ultimate potential of crude oil and equivalent, estimated on the basis of industry submissions as well as the Board's own studies, was presented in Report 85-A and is the basis for the following discussion.

8.1.1 Ultimate Potential

The Board concluded in Report 85-A that reserves growth from new discoveries/additions would add some 230 million cubic metres to the existing light-medium established reserves and some 31 million cubic metres to the existing conventional heavy established reserves. It further forecast that an additional 255 million and 75 million cubic metres of light-medium and conventional heavy crude oil, respectively, would be recovered by application of tertiary recovery schemes in the future. When these predicted future additions were added to the initial established reserves at year-end 1984, the resulting ultimate potential from all conventional crude oil sources was some 2650 million cubic metres. The Board considers that the conventional oil ultimate potential for Alberta lies somewhere between 2400 and 2700 million cubic metres. Thus the ultimate potential of 2650 million cubic metres is in the upper end of this range.

The current relationship between the initial and remaining ultimate potential of conventional crude oil, based on the above estimates, is illustrated below:

	$10^6\ m^3$
Ultimate Potential	2 650
Cumulative Production to Year-end 1987	1 582
Ultimate Potential Remaining	1 068

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1 Energy Resources Conservation Board, December 1979. Ultimate Potential for Gas in Alberta. ERCB Report 79-G.

2 ______________________________, January 1981. Estimates of Ultimate Potential and Forecasts of Attainable Productive Capacity of Alberta's Crude Oil and Equivalent. ERCB Report 81-B.

3 ______________________________, 1985. Alberta Oil Supply, 1985-2010. ERCB Report 85-A.

4 ______________________________, 1983. Alberta Oil Supply, 1983-2007. ERCB Report 83-E.

TABLE 8-1 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL
As of Each Year-end
millions of cubic metres

	1	2	3	4	5
Year	**Initial Established**		**Production**		**Remaining Established**[a]
	Addition	Cumulative[a]	Annual	Cumulative[a]	
1951	44.5	219.3	7.3	29.4	189.9
1952	62.5	281.7	9.3	38.8	243.0
1953	66.6	348.3	12.2	51.0	297.3
1954	55.6	403.9	13.9	65.0	339.0
1955	68.2	472.1	17.9	82.8	389.3
1956	82.0	554.1	22.8	105.7	448.4
1957	39.9	594.0	21.7	127.4	466.6
1958	1.4	595.4	17.9	145.2	450.2
1959	67.5	663.0	20.5	165.7	497.2
1960	48.6	711.6	20.7	186.6	525.0
1961	57.5	769.1	25.1	211.5	557.6
1962	44.0	813.5	26.2	237.9	575.6
1963	56.6	870.0	26.8	264.6	605.4
1964	348.5	1 218.5	27.9	292.4	926.1
1965	68.8	1 287.3	29.2	321.6	965.7
1966	140.8	1 428.1	32.2	353.9	1 074.2
1967	95.2	1 523.3	36.6	390.4	1 132.9
1968	119.8	1 643.1	39.8	430.3	1 212.8
1969	54.5	1 697.6	44.4	474.7	1 222.8
1970	36.7	1 734.3	51.7	526.5	1 207.9
1971	22.1	1 756.4	56.4	582.9	1 173.6
1972	20.0	1 776.5	67.4	650.0	1 126.0
1973	9.2	1 785.7	83.3	733.7	1 052.0
1974	38.5	1 824.1	79.0	812.7	1 011.5
1975	7.0	1 831.1	67.5	880.2	950.9
1976	– 18.6	1 812.5	61.0	941.2	871.3
1977	19.1	1 831.6	60.4	1 001.6	830.0
1978	24.4	1 856.0	60.0	1 061.6	794.5
1979	34.3	1 890.3	68.5	1 130.1	760.2
1980	22.7	1 913.2	63.2	1 193.3	719.9
1981	32.6	1 945.8	56.5	1 249.8	696.0
1982	6.9	1 952.7	53.6	1 303.4	649.4
1983	64.1	2 016.8	55.6	1 359.0	657.8
1984	42.0	2 058.8	59.2	1 418.2	640.7
1985	64.0	2 122.8	56.2	1 474.5	648.5
1986	39.1	2 162.0	53.2	1 527.7	634.7
1987	33.0	2 195.0	53.9	1 581.6	613.8
		(13.8)[b]			(3.9)[b]

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in billions of stock-tank barrels.

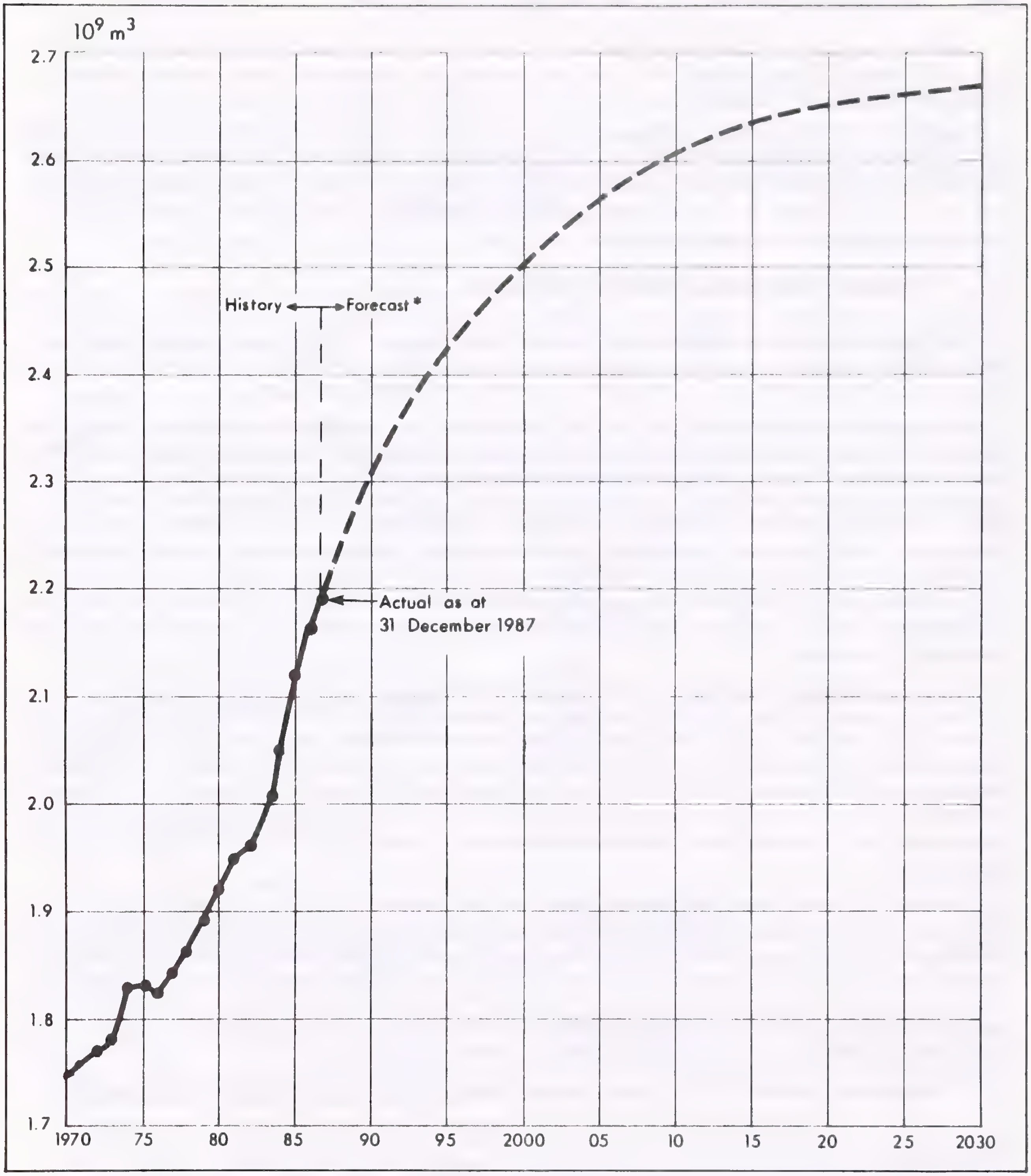

FIGURE 8-1 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

*SOURCE: ERCB Report 85-A

8.1.2 Trend in Annual Additions of Conventional Initial Established Reserves

Net annual additions to Alberta's initial established crude oil reserves averaged 55.4 million cubic metres from 1951 to 1987, falling to 34.7 million from 1977 to 1987. Net additions have averaged some 36.0 million cubic metres for the past 2 years (Table 8-1, column 1).

The forecast of additions from all sources is shown in Figure 8-1. In Report 85-A, the Board forecast that additions to initial established reserves of conventional crude oil would peak at some 53 million cubic metres annually in the short term augmented substantially by tertiary recovery programs, and then decline gradually as fewer new pools are found and fewer tertiary projects are undertaken. Additions were predicted to average 22.7 million annually over the forecast period.

8.2 CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

The Board estimates the ultimate volume of crude bitumen in place to be 400 billion cubic metres, consisting of about 24 billion in deposits that may eventually be amenable to surface mining, and the remainder in deeper deposits that will require the use of in situ recovery or underground mining techniques.

Although drilling and log analyses have indicated the potential ultimate volume of crude bitumen in place to be some 400 billion cubic metres, knowledge of quality variations and those effects on recovery potential are still very limited. In addition, for some deposits, particularly carbonates, little experimentation has been carried out to establish the expected recovery factor for this type of resource. For these reasons, those portions of the in-place volumes for the Cretaceous sand and Paleozoic carbonate deposits, which will require the use of in situ recovery methods, were broken down into established and probable categories, and different recovery factors were applied to each category in establishing the ultimate potential of crude bitumen for the in situ areas. The recovery factors selected reflect the Board's current broad knowledge respecting the quality of the in-place reserves, the amount of experimentation done to date to establish recovery techniques, and a projection of improvements in those techniques in the future.

The analysis suggested the ultimate potential of crude bitumen from Cretaceous sediments by in situ recovery methods to be some 33 billion cubic metres and from the carbonate sediments some 6 billion cubic metres. About 10 billion cubic metres are expected from within the surface-mineable boundary and represent the initial mineable volume in place after accounting for losses in mining and extraction and quantities inaccessible in environmental buffer zone areas. For current projects, it is also assumed that tailings ponds and discard sites will either be located on non-mineable areas or will be removed from the mineable areas in order to recover underlying economic mineable ore. The total initial ultimate potential amount of crude bitumen recoverable is therefore about 49 billion cubic metres.

The yield of synthetic crude oil (including butanes and heavier liquid product) from crude bitumen will vary with the upgrading technology used and will depend upon the extent to which other non-bitumen energy sources are used in recovery and processing operations. The Board has revised the estimates of liquid yield expected from the upgrading and now considers an average yield factor of 0.85 by volume will be achieved. On this basis, the ultimate potential amount of synthetic crude oil recoverable is estimated at 41.5 billion cubic metres with 8.5 billion attributable to surface mining and 33 billion to the in situ areas. External energy sources such as coal and natural gas are assumed to satisfy part of the energy requirements for fuel and upgrading[5].

The relationship between the initial and remaining ultimate potential of crude bitumen is illustrated below:

	$10^6\ m^3$
Ultimate Potential	49 000
Cumulative Production to Year-end 1987	157
Ultimate Potential Remaining	48 843

[5] Preliminary estimates indicate that hydrogen requirements would be extremely large, far exceeding estimated amounts that might be available by steam reforming of natural gas. Alternative sources of hydrogen such as from partial oxidation using pitch residuum would have to be considered.

8.3 MARKETABLE GAS

8.3.1 Ultimate Potential

In ERCB Report 79-G, the Board concluded that the ultimate potential of marketable gas was in the range of 3700 to 3900 billion cubic metres at 37.4 MJ/m^3 but noted that, given significant increases in price and/or technological breakthroughs, the ultimate potential could be in excess of 5600 billion cubic metres. In 1985, the Board increased its estimate of ultimate potential to 4200 billion cubic metres because its on-going reserve evaluations indicated that the previous estimate was too low.

The Board continues to be optimistic with respect to Alberta's ultimate potential for gas despite some significant reserve reductions made in recent years to small gas pools and several large pools throughout the province. This optimism stems from such recent discoveries as the Caroline Beaverhill Lake A Pool and the potential for other deep formation pools indicated by this discovery. Throughout the province, recent drilling has continued to show encouraging reserve additions even in times of limited markets and lower prices. Low permeability gas reservoirs continue to hold potential but significant price improvements would be needed to generate activity for development of these potential sources.

In summary, the Board continues to believe that the ultimate potential for gas is in the range of 4200 to 5600 billion cubic metres, and for forecasting and administrative purposes, the Board has decided to increase its estimate of Alberta's ultimate potential for gas to 4800 billion cubic metres.

The relationship between the ultimate potential of marketable gas and the portion remaining to be recovered is illustrated below:

	10^9 m^3 at 37.4 MJ/m^3
Ultimate Potential of Marketable Gas	4 800
Cumulative Production to Year-end 1987	1 427
Ultimate Potential Remaining	3 373

8.3.2 Trends in Annual Additions

Annual additions to established gas reserves averaged 78.4 billion cubic metres during the period 1951 to 1987 (Table 8-2, column 1). Reserve additions have fluctuated a great deal during this period due to changes in economic factors such as gas price, market opportunities, and drilling incentive programs, and also due to revision of estimates of existing reserves. It must also be recognized that the reserve additions shown in Table 8-2 reflect annual revisions to the Board's reserve estimates.

The historical growth in booked reserves as shown in Figure 8-2 suggests a significant decrease in reserves growth in recent years. While recent growth is lower than during the late 1970s and early 1980s, the decrease in additions is exaggerated by the downward adjustment of reserve estimates for previously discovered pools, particularly small pools as discussed in section 4.3.

The forecast of growth in initial established reserves shown in Figure 8-2 reflects the increase in the Board's estimate of ultimate potential as discussed in section 8.3.1. The Board anticipates that the reserves growth rate will increase to about 70 billion cubic metres per year by the mid-1990s, continue at this rate until the late 1990s, and then gradually decline as opportunities for new discoveries diminish. While fluctuations in reserves growth during the forecast period will undoubtedly occur, the Board believes its forecast represents a reasonable scenario for use in forecasting and policy formulation.

TABLE 8-2 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS
As of Each Year-end
billions of cubic metres

	1	2	3	4	5	6
Year	**Initial Established**		**Production**		**Remaining Established**[a]	
	Additions	Cumulative[a]	Annual	Cumulative[a]	Actual[a]	37.4 MJ/m³
1951	61.2	205.5	1.6	19.4	186.1	*
1952	87.8	293.4	1.8	21.2	272.1	*
1953	76.1	369.5	2.0	23.3	346.2	*
1954	58.8	428.3	2.5	25.8	402.5	*
1955	59.3	487.6	3.0	28.8	458.8	*
1956	64.5	552.2	3.2	32.0	520.1	*
1957	64.9	617.1	3.8	35.8	581.7	*
1958	110.4	727.5	5.3	41.1	686.4	721.2
1959	88.5	816.0	7.1	48.2	767.8	809.8
1960	119.9	935.9	9.1	57.4	878.6	926.8
1961	13.3	949.2	11.9	69.3	879.9	930.5
1962	49.7	998.9	17.6	86.9	912.1	964.2
1963	35.8	1 034.7	19.6	106.5	928.2	980.0
1964	85.9	1 120.6	22.1	128.6	992.0	1 052.6
1965	89.7	1 210.4	24.2	152.8	1 057.6	1 129.6
1966	40.6	1 251.0	25.5	178.3	1 072.6	1 142.5
1967	73.9	1 324.9	27.5	205.8	1 119.1	1 189.6
1968	134.6	1 459.5	30.0	235.8	1 223.6	1 289.0
1969	87.5	1 547.0	37.8	273.6	1 273.4	1 342.6
1970	46.2	1 593.2	40.1	313.8	1 279.4	1 352.0
1971	45.4	1 638.6	48.5	362.3	1 276.3	1 346.9
1972	45.2	1 683.9	52.4	414.7	1 269.1	1 337.6
1973	183.3	1 867.2	56.0	470.7	1 396.6	1 464.5
1974	147.0	2 014.3	57.0	527.8	1 486.5	1 550.2
1975	20.8	2 035.1	56.6	584.3	1 450.8	1 512.8
1976	105.6	2 140.7	54.6	639.0	1 501.7	1 563.9
1977	127.6	2 268.2	61.0	700.0	1 568.3	1 630.3
1978	163.3	2 431.6	66.4	766.3	1 665.2	1 730.9
1979	123.2	2 554.7	70.0	836.4	1 718.4	1 783.1
1980	92.4	2 647.1	63.8	900.2	1 747.0	1 812.1
1981	117.0	2 764.1	68.6	968.8	1 795.3	1 864.8
1982	118.7	2 882.8	60.9	1 029.7	1 853.1	1 924.6
1983	39.0	2 921.8	66.0	1 095.6	1 826.2	1 898.7
1984	40.5	2 962.3	68.3	1 163.9	1 798.4	1 872.2
1985	42.6	3 004.9	72.8	1 236.7	1 768.3	1 840.0
1986	21.8	3 026.7	69.9	1 306.6	1 720.1	1 790.3
1987	0.0	3 026.7	68.4	1 375.0	1 651.7	1 713.7
		(107.4)[b]			(58.6)[b]	(60.8)[b]

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in trillions of cubic feet.

* Not available.

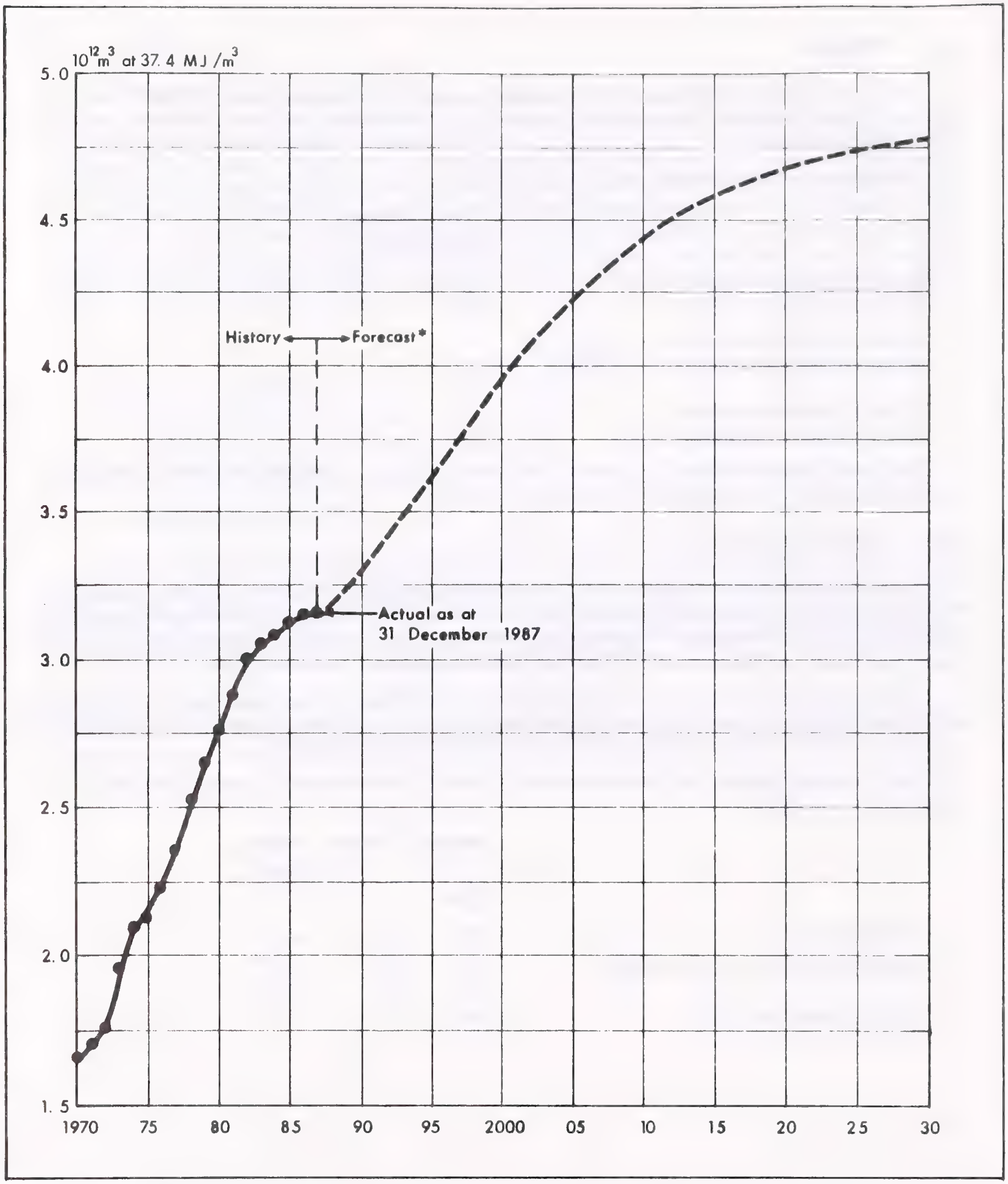

FIGURE 8-2 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS

8.4 ETHANE

The Board has estimated the weighted average ethane content of the established reserves of marketable gas to be some 0.05 mole/mole and has applied this proportion to the 4630 billion cubic metres ultimate potential of marketable gas (as-is basis).

The ethane content in marketable gas is tabulated below:

	Volume of Ethane
	10^6 m^3 (liquid)
Ethane Content in Ultimate Potential of Marketable Gas	820
Ethane Content in Cumulative Marketable Gas Production to Year-end 1987	240
Ethane Content in Remaining Ultimate Potential of Marketable Gas	580

The Board estimates that about 65 per cent of the ethane contained in the remaining ultimate potential of marketable gas could be practically and economically recovered.

8.5 NATURAL GAS LIQUIDS

The Board's estimates of the ultimate potential for propane and butanes were derived by applying the ratios of 70 and 40 cubic metres (liquid) per million cubic metres of marketable gas, respectively, to the Board's estimate of marketable gas yet to be established. These ratios were determined by a historical analysis of the initial established reserves of propane and butanes divided by the initial established reserves of marketable gas.

The Board reviewed the ultimate potential of pentanes plus in 1980 and discussed its estimate in ERCB Report 81-B. Based on that report, the Board has estimated that the ratio of recoverable pentanes plus in gas yet to be established would be 65 cubic metres (liquid) per million cubic metres of marketable gas.

The relationship between the ultimate potential of natural gas liquids and the portion remaining to be recovered is shown below:

	Propane	Butanes	Pentanes Plus
	10^6 m^3		
Ultimate Potential	340	200	400
Cumulative Production to Year-end 1987	101	64	165
Ultimate Potential Remaining	239	137	235

8.6 SULPHUR

8.6.1 Sulphur from Gas

A recent study[6] completed by the Board's Chairman, G. J. DeSorcy, is the basis for the Board's estimate of ultimate potential of sulphur. The Board adopted the study's estimate of recoverable sulphur in conventional gas yet to be established (70 tonnes per million cubic metres of gas), and applied this factor to the Board's estimate of gas yet to be established. The resulting ultimate potential of sulphur from conventional gas amounted to 320 million tonnes. The study also estimated that the ultimate potential for sulphur from ultra-high H_2S pools would be in the order of 40 million tonnes. The Board's estimate of ultimate potential of sulphur from both ultra-high H_2S pools and conventional gas is 360 million tonnes. The relationship between the ultimate potential of sulphur and the portion remaining to be recovered is shown below:

	10^6 tonnes
Ultimate Potential of Sulphur	360
Cumulative Production to Year-end 1987	119
Ultimate Potential Remaining	241

8.6.2 Sulphur from Crude Bitumen

The Board estimates the ultimate potential of sulphur in Alberta's recoverable crude bitumen to be some 1800 million tonnes at year-end in 1987. This estimate was derived by applying a recovery ratio of 37.4 tonnes of sulphur per thousand cubic metres of bitumen to the 1987 year-end ultimate potential of crude bitumen of some 49 billion cubic metres. The ratio reflects the recovery expected at future plants. Less than 4 million of the 1800 million tonnes expected have been produced to the 1987 year-end.

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[6] DeSorcy, G. J., 1985. Sulphur Recovered from Oil and Gas in Canada. Energy Resources Conservation Board. Calgary, Alberta.

APPENDIX OIL, CRUDE BITUMEN, AND GAS DRILLING AND RESERVE GROWTH HISTORICAL DATA

This appendix presents historical data on the development of the oil and gas industry in Alberta and the annual additions to established reserves of crude oil, crude bitumen, and marketable gas to year-end 1987.

The text describing the data in Tables A-4 and A-5 should be considered carefully to avoid misinterpretation.

TABLE A-1

From 1951 to 1987 inclusive, 79 per cent of the development wells drilled in Alberta resulted in discoveries of oil or gas compared to only 41 per cent for exploratory wells[1]. A few unsuccessful development wells were completed as water disposal and service wells.

Counts of crude bitumen wells have been tabulated from 1980 onward. Two types of crude bitumen development wells are shown, "commercial" for those in commercial projects (including the Lindbergh Area), and "experimental" for those in recovery-test schemes. Experimental wells are included in the development category because they are drilled into known oil sands deposits. Experimental well counts are not available prior to 1980. Up to 1983, commercial crude bitumen wells appear in the table in the oil well count.

The majority of crude bitumen exploratory wells are oil sands evaluation wells which are required to be abandoned and cannot become producers. Also included are some exploratory wells licensed to obtain crude bitumen production. Oil sands evaluation wells also do not appear in any form in the table for the period prior to 1980.

During 1987, overall development and exploratory drilling increased over 1986 levels but is still 11 per cent below the average for the last 10 years. Gas well drilling continued to lag behind oil well drilling because of the surplus of gas supply relative to demand, and low prices.

TABLE A-2

A somewhat better measure of exploratory and development activity is the distance drilled annually in each category. Since 1966, these data have been further categorized to also show the number of metres drilled for successful oil and gas wells. The information in Table A-2 is thus closely related to that in Table A-1.

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[1] For the purposes of Tables A-1 and A-2, exploratory wells include deep pool tests, new pool wildcats, and new field wildcats. Outpost wells have been included in the development well totals.

TABLE A-1 DEVELOPMENT AND EXPLORATORY WELLS
number drilled annually, 1951-1987

Year	1	2	3	4	5
	Development				
	Successful				Total[a]
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1951	691	**	*	21	777
1952	897	**	*	80	1 160
1953	838	**	*	106	1 162
1954	613	**	*	85	827
1955	1 100	**	*	68	1 281
1956	1 317	**	*	79	1 514
1957	818	**	*	73	1 020
1958	924	**	*	164	1 315
1959	834	**	*	164	1 170
1960	944	**	*	184	1 363
1961	741	**	*	231	1 188
1962	653	**	*	190	1 113
1963	803	**	*	186	1 255
1964	796	**	*	173	1 281
1965	843	**	*	155	1 366
1966	552	**	*	188	1 003
1967	506	**	*	190	953
1968	387	**	*	257	970
1969	324	**	*	311	901
1970	246	**	*	425	884
1971	269	**	*	489	1 085
1972	454	**	*	738	1 618
1973	480	**	*	961	1 970
1974	566	**	*	1 284	2 241
1975	597	**	*	1 443	2 408
1976	444	**	*	2 096	2 959
1977	530	**	*	1 941	2 813
1978	726	**	*	2 134	3 269
1979	984	**	*	2 352	3 892
1980	1 296	**	139	2 855	4 749
1981	1 107	**	173	2 173	3 833
1982	1 246	**	234	1 901	3 628
1983	1 907	**	268	836	3 189
1984	1 983	438	365	994	4 496
1985	2 343	980	270	1 694	6 288
1986	1 465	194	93	804	3 298
1987	1 865	377	144	712	3 865

[a] Includes unsuccessful, service, and suspended wells.
[b] Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.
* Not available.
** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total[a]	Successful			Total[a]
Oil	Crude Bitumen[b]	Gas		Oil	Crude Bitumen	Gas	
68	*	94	461	759	*	115	1 238
49	*	74	469	946	*	154	1 629
47	*	89	399	885	*	195	1 561
60	*	55	351	673	*	140	1 178
45	*	70	346	1 145	*	138	1 627
51	*	59	384	1 368	*	138	1 898
56	*	52	428	874	*	125	1 448
35	*	63	404	959	*	227	1 719
43	*	78	432	877	*	242	1 602
41	*	92	403	985	*	276	1 766
42	*	113	423	783	*	344	1 611
35	*	82	484	688	*	272	1 597
65	*	89	502	868	*	275	1 757
65	*	90	570	861	*	263	1 851
76	*	85	705	919	*	240	2 071
62	*	69	634	614	*	257	1 637
135	*	84	693	641	*	274	1 646
162	*	130	936	549	*	387	1 906
138	*	122	972	462	*	433	1 873
55	*	183	963	301	*	608	1 847
93	*	202	940	362	*	691	2 025
55	*	252	1 058	509	*	990	2 676
101	*	413	1 543	581	*	1 374	3 513
69	*	384	1 248	635	*	1 668	3 489
67	*	428	1 238	664	*	1 871	3 646
108	*	1 005	2 082	552	*	3 101	5 041
172	*	1 011	2 317	702	*	2 952	5 130
218	*	956	2 304	944	*	3 090	5 573
266	*	825	1 888	1 250	*	3 177	5 780
310	354	1 040	2 299	1 606	*	3 895	7 048
318	857	883	2 008	1 425	*	3 056	5 841
317	221	510	1 498	1 563	*	2 411	5 126
335	68	255	1 177	2 242	*	1 091	4 366
407	126	278	1 661	2 390	929	1 272	6 157
436	588	238	2 175	2 779	1 838	1 932	8 463
271	168	167	1 199	1 736	455	971	4 497
300	105	217	1 305	2 165	626	929	5 170

TABLE A-2 DEVELOPMENT AND EXPLORATORY WELLS
kilometres drilled annually, 1951-1987

Year	1	2	3	4	5
	Development				
	Successful				Total[a]
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1951	*	**	*	*	1 001
1952	*	**	*	*	1 453
1953	*	**	*	*	1 394
1954	*	**	*	*	1 176
1955	*	**	*	*	1 972
1956	*	**	*	*	2 411
1957	*	**	*	*	1 553
1958	*	**	*	*	1 842
1959	*	**	*	*	1 969
1960	*	**	*	*	2 426
1961	*	**	*	*	2 385
1962	*	**	*	*	2 032
1963	*	**	*	*	2 266
1964	*	**	*	*	2 235
1965	*	**	*	*	2 142
1966	921	**	*	79	1 567
1967	748	**	*	219	1 420
1968	539	**	*	391	1 360
1969	464	**	*	408	1 254
1970	347	**	*	448	1 107
1971	352	**	*	406	1 219
1972	636	**	*	547	1 669
1973	692	**	*	800	2 204
1974	749	**	*	907	2 237
1975	714	**	*	1 159	2 340
1976	593	**	*	1 173	2 983
1977	720	**	*	1 624	2 961
1978	995	**	*	1 691	3 408
1979	1 452	**	*	1 936	4 141
1980	1 839	**	80	2 557	5 309
1981	1 401	**	85	1 934	4 169
1982	1 804	**	103	1 521	4 116
1983	2 482	**	112	896	4 248
1984	2 935	257	203	999	5 603
1985	3 302	579	155	1 443	7 353
1986	2 200	117	47	850	4 550
1987	2 627	209	80	883	5 252

[a] Includes unsuccessful, service, and suspended wells.
[b] Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.
[c] Discrepancies are due to rounding.
* Not available. ** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total[a]	Successful			Total[a]
Oil	Crude Bitumen[b]	Gas		Oil	Crude Bitumen	Gas	
*	*	*	694	*	*	*	1 696
*	*	*	568	*	*	*	2 021
*	*	*	564	*	*	*	1 958
*	*	*	554	*	*	*	1 730
*	*	*	601	*	*	*	2 574
*	*	*	665	*	*	*	3 077
*	*	*	724	*	*	*	2 278
*	*	*	712	*	*	*	2 554
*	*	*	725	*	*	*	2 694
*	*	*	737	*	*	*	3 163
*	*	*	724	*	*	*	3 109
*	*	*	744	*	*	*	2 776
*	*	*	723	*	*	*	2 989
*	*	*	917	*	*	*	3 152
*	*	*	1 038	*	*	*	3 180
95	*	4	958	1 016	*	84	2 526
208	*	95	996	957	*	314	2 416
244	*	198	1 386	783	*	589	2 746
206	*	164	1 410	670	*	572	2 667
83	*	208	1 295	431	*	656	2 402
126	*	218	1 227	477	*	624	2 446
83	*	280	1 402	719	*	828	3 071
112	*	404	1 650	805	*	1 204	3 854
92	*	410	1 419	841	*	1 318	3 655
87	*	423	1 309	801	*	1 582	3 649
139	*	846	1 892	732	*	2 619	4 875
178	*	1 016	2 288	897	*	2 640	5 250
300	*	1 219	2 178	1 295	*	2 910	6 126
450	*	1 256	2 771	1 902	*	3 192	6 912
494	71	1 550	3 261	2 333	151	4 107	8 570
473	124	1 202	2 810	1 874	209	3 136	6 979
493	27	603	1 920	2 297	130	2 124	6 036
472	11	338	1 528	2 954	123	1 234	5 776
511	19	362	1 846	3 446	479	1 361	7 449
584	96	300	1 975	3 886	829[c]	1 743	9 328
341	39	209	1 286	2 541	203	1 059	5 836
382	16	277	1 476	3 010[c]	305	1 160	6 728

TABLE A-3

In Table A-3, a completion event is counted as a well. Therefore, because some wellbores have more than one completion event, this table does not represent the actual number of wellbores in existence in each cateogry listed.

Table A-3 shows the growth in the number of oil and gas wells operated. It excludes wells formerly capable but now abandoned.

The capable-oil-well count includes a number of shut-in wells that are contained in approved production spacing units and enhanced-recovery schemes. Some pools have been substantially depleted since the production spacing units were established, and many of the wells included would now produce little or no oil if placed back on production. The capable-well count may therefore imply a greater capability than actually exists.

Although the capped wells shown in column 5 have not been completed, many could be capable of production on short notice. The main reason for capping is the limited market for gas but, in some cases, wells may be capped until gathering or processing facilities are completed or the economics of production and marketing improves.

TABLE A-3 COMPLETED AND CAPPED WELLS
cumulative totals, 1951-1987

Year	1 Oil Wells Completed Capable[a]	2 Operated[b]	3 Gas Wells Completed Capable[a]	4 Operated[b]	5 Capped Gas Wells[c]
1951	2 731	2 510	331	185	157
1952	3 661	3 312	362	245	259
1953	4 504	4 000	404	272	393
1954	5 063	4 583	470	314	491
1955	6 135	5 509	489	347	609
1956	7 390	6 743	523	368	713
1957	8 016	7 136	585	422	766
1958	8 536	7 811	705	575	871
1959	9 217	8 281	830	681	981
1960	9 878	8 633	950	758	1 127
1961	10 529	8 938	1 088	894	1 314
1962	10 809	9 183	1 257	995	1 388
1963	11 437	9 217	1 437	1 213	1 466
1964	12 114	9 613	1 628	1 372	1 497
1965	12 771	8 736	1 800	1 502	1 515
1966	13 162	8 886	1 921	1 527	1 586
1967	13 473	9 116	2 065	1 647	1 666
1968	13 733	9 114	2 356	1 924	1 594
1969	13 897	9 381	2 692	2 194	1 601
1970	13 971	9 383	3 010	2 490	1 684
1971	14 065	9 467	3 426	2 830	1 801
1972	14 168	9 689	3 985	3 318	2 063
1973	14 368	10 028	4 536	3 769	2 551
1974	14 819	10 395	5 344	4 508	3 469
1975	15 177	10 708	6 670	5 704	3 935
1976	15 663	11 166	9 010	7 753	4 864
1977	16 224	11 592	12 529	10 806	6 023
1978	16 871	12 151	14 897	12 785	6 686
1979	17 673	12 805	17 173	14 760	8 268
1980	18 833	13 312	19 546	16 661	10 094
1981	20 072	14 243	22 611	18 797	11 593
1982	21 345	15 259	25 400	20 611	10 991
1983	23 182	16 694	27 125	21 881	10 835
1984	25 320	18 406	29 037	22 839	10 793
1985	27 830	19 957	30 255	24 424	10 957
1986	30 020	20 175	32 619	24 648	11 201
1987	31 929	22 347	33 570	25 453	11 292

[a] Includes wells which had been placed on production and were either operated, suspended, or shut in during December of each year, but excludes events used for injection.

[b] The number of events produced during December of each year.

[c] The number of events drilled and never placed on production and reported by the operator as capped as of 31 December of each year.

TABLE A-4

Table A-4 supplements Table 8-1 and subdivides the annual additions to established reserves of conventional crude oil into new discovery, re-evaluation, and enhanced-recovery categories. The method of subdividing the reserves has varied somewhat over the years; hence, some minor differences in annual additions may result from the change in method.

The established reserves attributed to new discoveries are subject to significant adjustment as the result of delineation drilling and performance in subsequent years. The trend in such adjustments has varied over the years. In the 1950s, adjustments were largely additions, whereas in the 1960s and 1970s, when pinnacle reefs were a popular exploratory target, many adjustments were negative.

The enhanced-recovery programs for crude oil pools lead to positive increments initially, but adjustments may be necessary later when performance proves that the reserves assigned have been over- or under-estimated.

TABLE A-4 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL 1951-1987
millions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 New Enhanced Recovery	4 Total
1951	15.3	29.2		44.5
1952	14.0	48.5		62.5
1953	24.2	42.4		66.6
1954	1.9	53.7		55.6
1955	9.4	58.8		68.2
1956	3.5	78.5		82.0
1957	10.8	29.1		39.9
1958	1.3	–4.8	4.9	1.4
1959	14.3	37.2	16.0	67.5
1960	0.5	29.9	18.1	48.6
1961	1.7	31.5	24.5	57.5
1962	2.9	21.8	19.9	44.0
1963	14.6	12.6	29.2	56.6
1964	9.5	88.2	250.8	348.5
1965	28.6	42.6	–2.4	68.8
1966	89.1	13.5	38.3	140.8
1967	57.2	15.7	22.2	95.2
1968	62.0	14.8	42.9	119.8
1969	40.5	–44.5	58.5	54.5
1970	8.4	–7.6	36.1	36.7
1971	14.0	8.7	–0.8	22.1
1972	10.8	–5.6	14.8	20.0
1973	5.1	–6.0	10.2	9.2
1974	4.3	3.3	30.8	38.5
1975	1.6	2.1	3.3	7.0
1976	2.5	5.9	–27.0	–18.6
1977	4.8	5.1	9.2	19.1
1978	24.9	–1.9	1.4	24.4
1979	19.2	10.3	4.8	34.3
1980	9.0	5.1	8.6	22.7
1981	15.0	7.2	10.4	32.6
1982	16.8	–16.5	6.6	6.9
1983	21.4	24.8	17.9	64.1
1984	29.1	–12.0	24.1	41.2
1985	32.7	11.2	20.2	64.0[a]
1986	28.6	–13.5	24.0	39.1
1987	20.9	1.8	10.3	33.0

[a] Discrepancies are due to rounding.

TABLE A-5

Table A-5 shows annual changes to established marketable gas reserves. Reserves are continually reviewed and re-evaluated, principally on the basis of new data and performance.

For the years prior to 1978, the new discovery total includes only those reserves having initial established reserves of marketable gas equal to or greater than 300 million cubic metres.

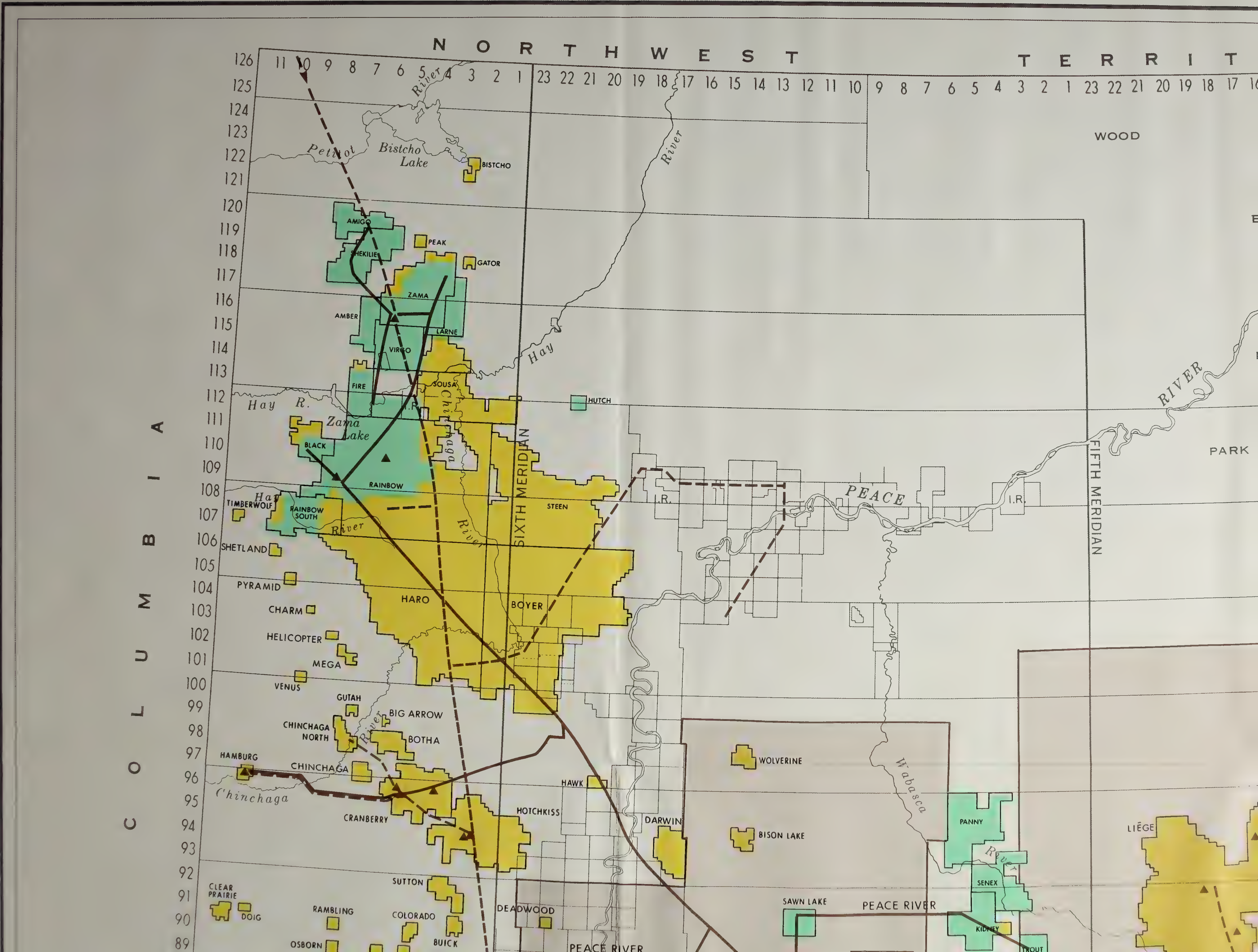
Commencing in 1979 the new discoveries which are not booked in the year of discovery but in the following year are not accounted for under new discoveries. This effect may lead to a substantial understatement in the discoveries column and an overstatement in the development column. Occasionally, the reverse might be true where established reserves classified as new discoveries in a given year later prove to be extensions of earlier discoveries and the pools are coalesced.

In view of the above, the distribution of reserves between new discoveries and development should be used with caution.

TABLE A-5 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS
1951-1987
billions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Total
1951	6.2	55.0	61.2
1952	*	*	87.8
1953	*	*	76.1
1954	*	*	58.8
1955	*	*	59.3
1956	*	*	64.5
1957	*	*	64.9
1958	*	*	110.4
1959	*	*	88.5
1960	18.2	101.7	119.9
1961	9.6	3.7	13.3
1962	8.7	41.0	49.7
1963	3.1	32.7	35.8
1964	7.2	78.7	85.9
1965	11.3	78.4	89.7
1966	2.1	38.6	40.7
1967	24.3	49.6	73.9
1968	15.3	119.3	134.6
1969	18.6	68.9	87.5
1970	7.6	38.7	46.2
1971	4.8	40.6	45.4
1972	12.5	32.8	45.2
1973	7.8	175.6	183.4
1974	8.6	138.4	147.0
1975	0.8	20.0	20.8
1976	6.9	98.7	105.6
1977	6.6	120.9	127.6
1978	24.4	138.9	163.3
1979	16.4	106.8	123.2
1980	30.0	62.5	92.4[a]
1981	28.9	88.1	117.0
1982	10.6	108.1	118.7
1983	16.3	22.7	39.0
1984	9.6	30.9	40.5
1985	11.5	31.1	42.6
1986	9.2	12.6	21.8
1987	8.9	−8.9	0.0

[a] Discrepancies are due to rounding.
* Not available.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Petitot
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Zama Lake
Chinchaga River
Wabasca River
SIXTH MERIDIAN
FIFTH MERIDIAN
BISTCHO
AMIGO
PEAK
GATOR
SHEKILIE
ZAMA
AMBER
LARNE
VIRGO
FIRE
SOUSA
HUTCH
I.R.
BLACK
RAINBOW
TIMBERWOLF
RAINBOW SOUTH
STEEN
SHETLAND
PYRAMID
HARO
BOYER
CHARM
HELICOPTER
MEGA
VENUS
GUTAH
BIG ARROW
CHINCHAGA NORTH
BOTHA
HAMBURG
CHINCHAGA
CRANBERRY
HAWK
HOTCHKISS
DARWIN
WOLVERINE
BISON LAKE
PANNY
LIÈGE
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SAWN LAKE
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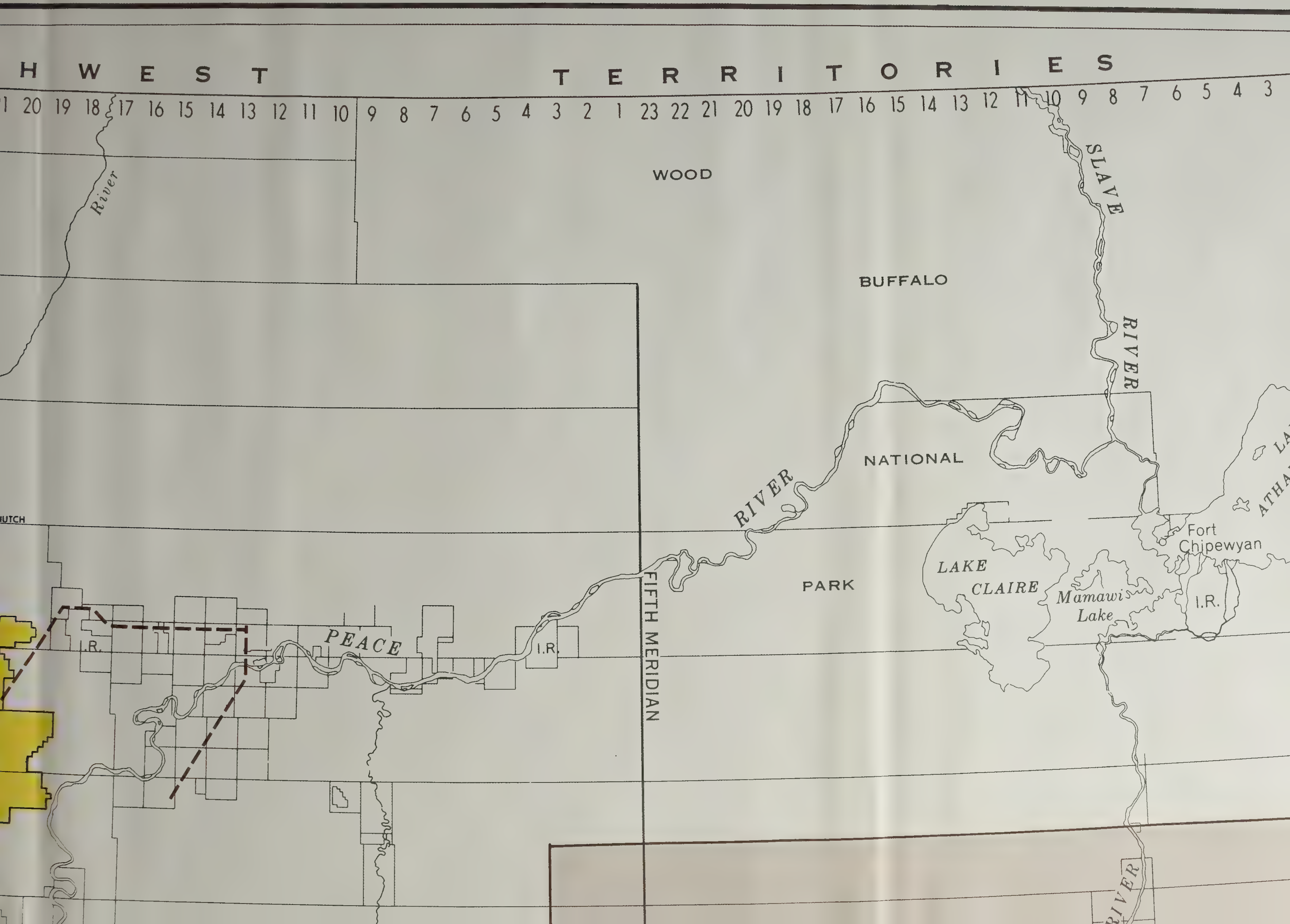
PEACE RIVER



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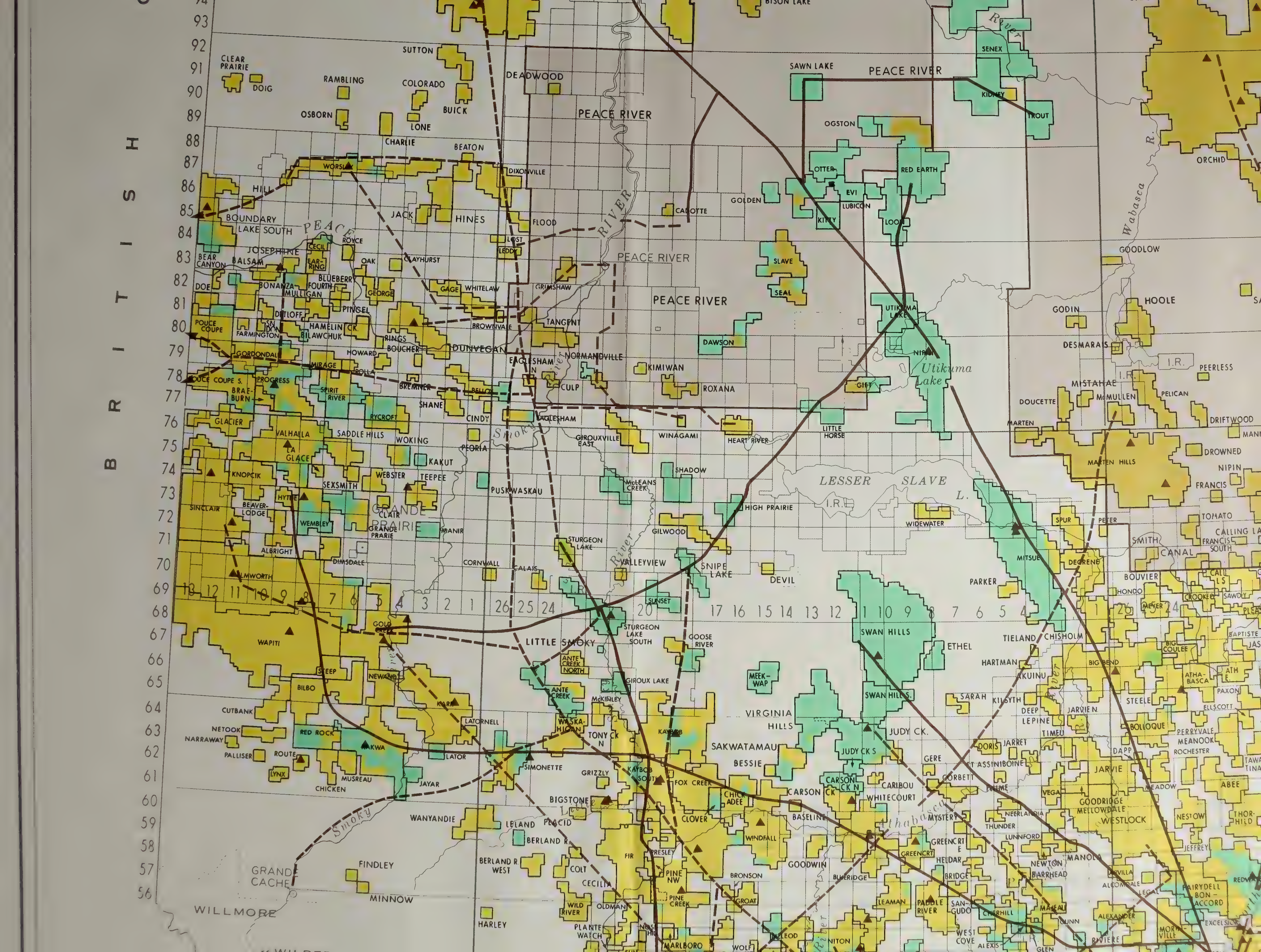
RIVER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PEACE RIVER
BISON LAKE
SAWN LAKE
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RED EARTH
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EVI
LUBICON
KITTY
LOON
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CABOTTE
ORCHID
Wabasca R.
WORSLEY
DIXONVILLE
HILL
HINES
JACK
FLOOD
BOUNDARY LAKE SOUTH
PEACE
RIVER
ROYCE
LOST
LEDDY
JOSEPHINE
CECIL
BEAR CANYON
BALSAM
EAR-RING
OAK
CLAYHURST
PEACE RIVER
SLAVE
SEAL
GOODLOW
DOE
BONANZA
BLUEBERRY
FOURTH CK
MULLIGAN
GEORGE
GAGE
WHITELAW
GRIMSHAW
PEACE RIVER
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HAMELIN CK
BILAWCHUK
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HOWARD
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GORDONDALE
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ROLLA
EAGLESHAM
NORMANDVILLE
KIMIWAN
I.R.
PEERLESS
POUCE COUPE S.
PROGRESS
BRAE-BURN
SPIRIT RIVER
BREMNER
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CULP
ROXANA
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McMULLEN
PELICAN
SHANE
RYCROFT
CINDY
EAGLESHAM
DOUCETTE
GLACIER
SADDLE HILLS
LITTLE HORSE
MARTEN
DRIFTWOOD
VALHALLA
WOKING
Smoky
GIROUXVILLE EAST
WINAGAMI
HEART RIVER
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PEORIA
KAKUT
MARTEN HILLS
DROWNED
KNOPCIK
WEBSTER
TEEPEE
SHADOW
NIPIN
SEXSMITH
PUSKWASKAU
McLEANS CREEK
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FRANCIS
HYTHE
SINCLAIR
BEAVER-LODGE
GRANDE PRAIRIE
CLAIRMONT
HIGH PRAIRIE
I.R.
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WAPITI
GILWOOD
WIDEWATER
SPUR
PETER
TOMATO
ALBRIGHT
STURGEON LAKE
SMITH
FRANCIS SOUTH
CANAL
DIMSDALE
CORNWALL
CALAIS
VALLEYVIEW
SNIPE LAKE
DEVIL
MITSUE
DEGRENE
ELMWORTH
PARKER
BOUVIER
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JUDY CK.
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FAIRYDELL
BON ACCORD
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CECILIA
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LEAMAN
PADDLE RIVER
SAN-GUDO
CHERHILL
MAYFAIR
MINNOW
WILD RIVER
OLDMAN
GUNN
ALEXANDER
WILLMORE
HARLEY
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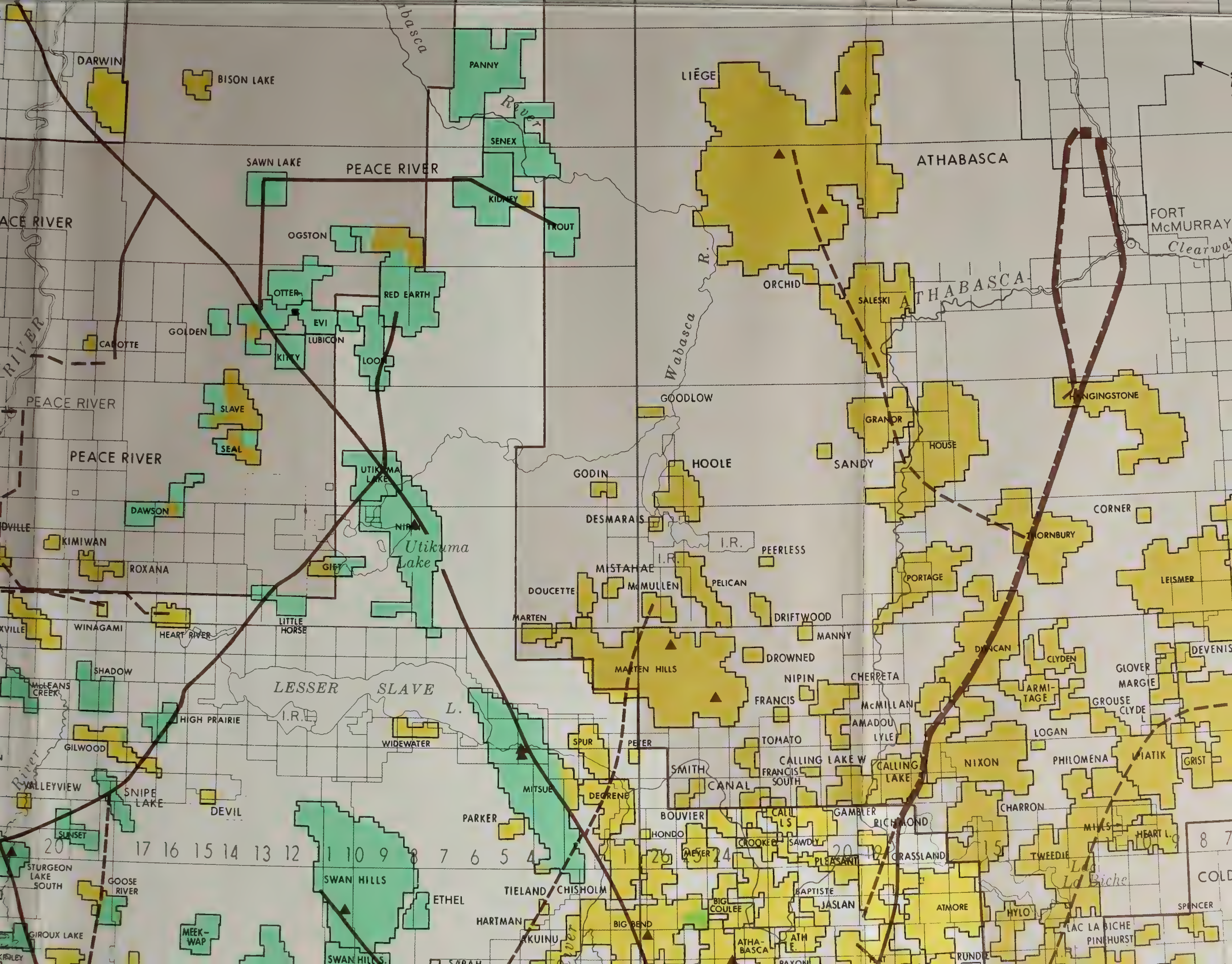

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ATMORE
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SPENCER
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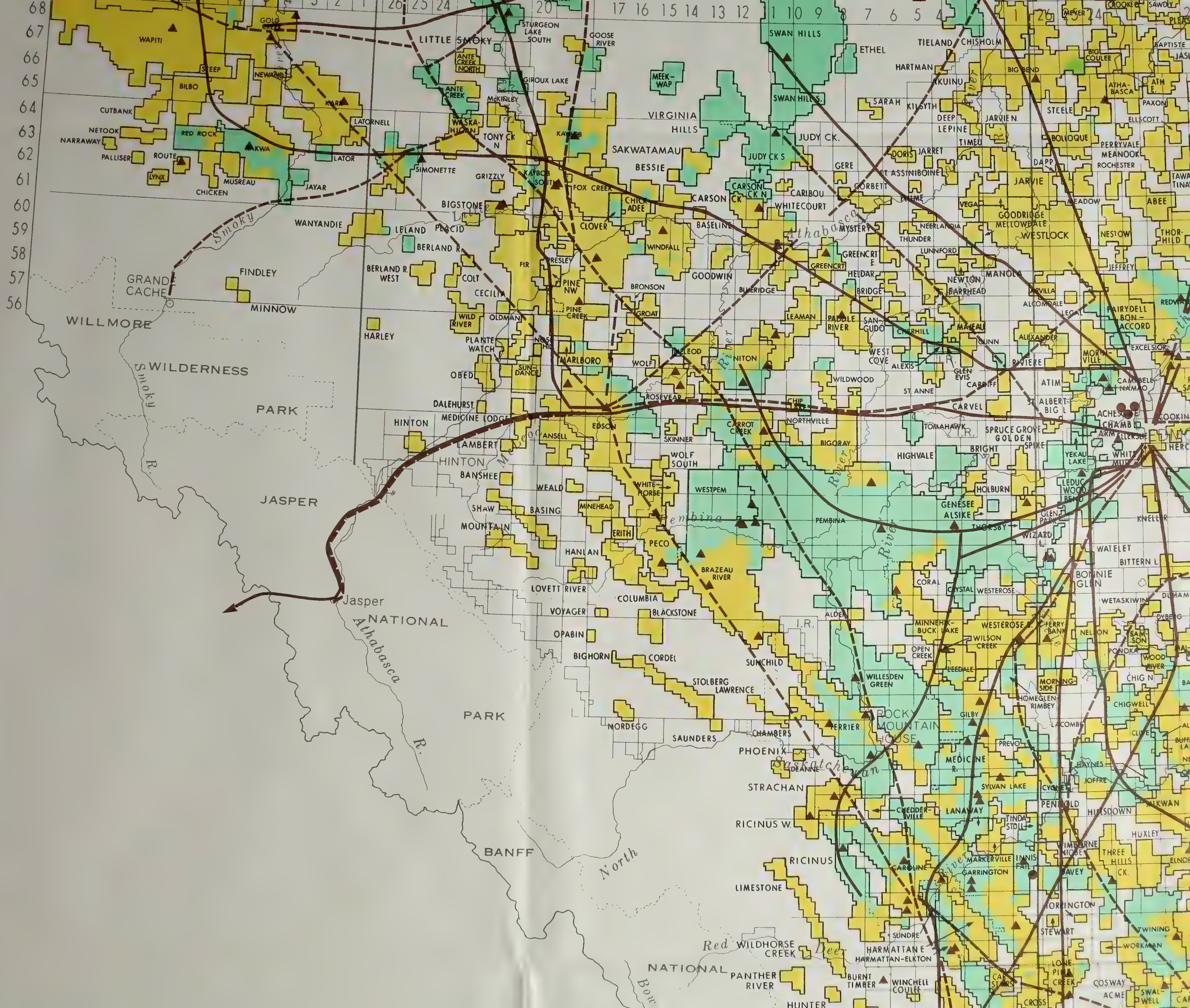

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CHISHOLM
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JAYAR
SIMONETTE
WASKAHIGAN
TONY CK
KAYBOB
KAYBOB SOUTH
GRIZZLY
FOX CREEK
VIRGINIA HILLS
SAKWATAMAU
BESSIE
JUDY CK.
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SWAN HILLS S
SARAH
KILSYTH
DEEP
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JARVIEN
STEELE
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PERRYVALE
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WINDFALL
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THUNDER
NEERLANDIA
GOODRIDGE
MELLOWDALE
WESTLOCK
NESTOW
THORHILD
ABEE
GRANDE CACHE
FINDLEY
COLT
CECILIA
PINE NW
PINE CREEK
BRONSON
GOODWIN
BLUERIDGE
GREENCRT
HELDAR
BRIDGE
LUNNFORD
NEWTON
BARRHEAD
MANOLA
JEFFREY
MINNOW
WILLMORE
WILDERNESS
PARK
HARLEY
WILD RIVER
OLDMAN
PLANTE WATCH
OBED
SUNDANCE
MARLBORO
GROAT
WOLF
MCLEOD
NITON
LEAMAN
PADDLE RIVER
SAN-GUDO
CHERHILL
MAYEAU
ALEXANDER
MORINVILLE
BON-ACCORD
FAIRYDELL
WEST COVE
ALEXIS
GLEN EVIS
GUNN
RIVIERE
EXCELSIOR
WILDWOOD
ST ANNE
CARDIFF
ATIM
CAMPBELL NAMAO
DALEHURST
MEDICINE LODGE
HINTON
LAMBERT
HINTON
ROSEVEAR
EDSON
ANSELL
CHIP LAKE
NORTHVILLE
CARROT CREEK
SKINNER
BIGORAY
TOMAHAWK
CARVEL
SPRUCE GROVE
GOLDEN SPIKE
ST ALBERT-BIG L
ACHESON
BANSHEE
WOLF SOUTH
HIGHVALE
BRIGHT
YEKAU LAKE
JASPER
WEALD
WHITEHORSE
WESTPEM
SHAW
BASING
MINEHEAD
PEMBINA
HOLBURN
LEDUC WOODBEND
GENESEE
ALSIKE
GLEN PARK
THORSBY
WIZARD L
KNELLER
MOUNTAIN
ERITH
PECO
HANLAN
BRAZEAU RIVER
WATELET
BITTERN L
CORAL
CRYSTAL
WESTEROSE
BONNIE GLEN
WETASKIWIN
LOVETT RIVER
COLUMBIA
Jasper
NATIONAL
VOYAGER
BLACKSTONE
ALDER
OPABIN
I.R.
MINNEHIK-BUCK LAKE
WESTEROSE S
WILSON CREEK
FERRY BANK
NELSON
PONOKA
OPEN CREEK
LEEDALE
BIGHORN
CORDEL
SUNCHILD
WOOD RIVER
CHIG N
WILLESDEN GREEN
MORNINGSIDE
HOMEGLEN-RIMBEY
STOLBERG
LAWRENCE
CHIGWELL
GILBY
ROCKY MOUNTAIN HOUSE
FERRIER
PARK
NORDEGG
SAUNDERS
CHAMBERS
LACOMBE
PHOENIX
PREVO
MEDICINE R.
CLIVE
DEANNE
JOFFRE
STRACHAN
SYLVAN LAKE
CYGNET
PENHOLD
CHEDDERVILLE
LANAWAY
TINDASTOLL
HILLSDOWN
ALIX
RICINUS W.
HUXLEY
RICINUS
BANFF
CAROLINE
MARKERVILLE
GARRINGTON
INNISFAIL
NIOBE
WIMBORNE
THREE HILLS CK.
LIMESTONE
DAVEY
TORRINGTON
STEWART
SUNDRE
TWINING
WILDHORSE CREEK
HARMATTAN E
HARMATTAN-ELKTON
WORKMAN
NATIONAL
PANTHER RIVER
BURNT TIMBER
WINCHELL COULEE
LONE PINE CREEK
COSWAY
ACME
SWALWELL
HUNTER
CROSS
North
Red
Deer
Smoky
Little Smoky
Athabasca
Athabasca R.
Smoky R.
Pembina
Pembina River
Saskatchewan
McLeod
Bow
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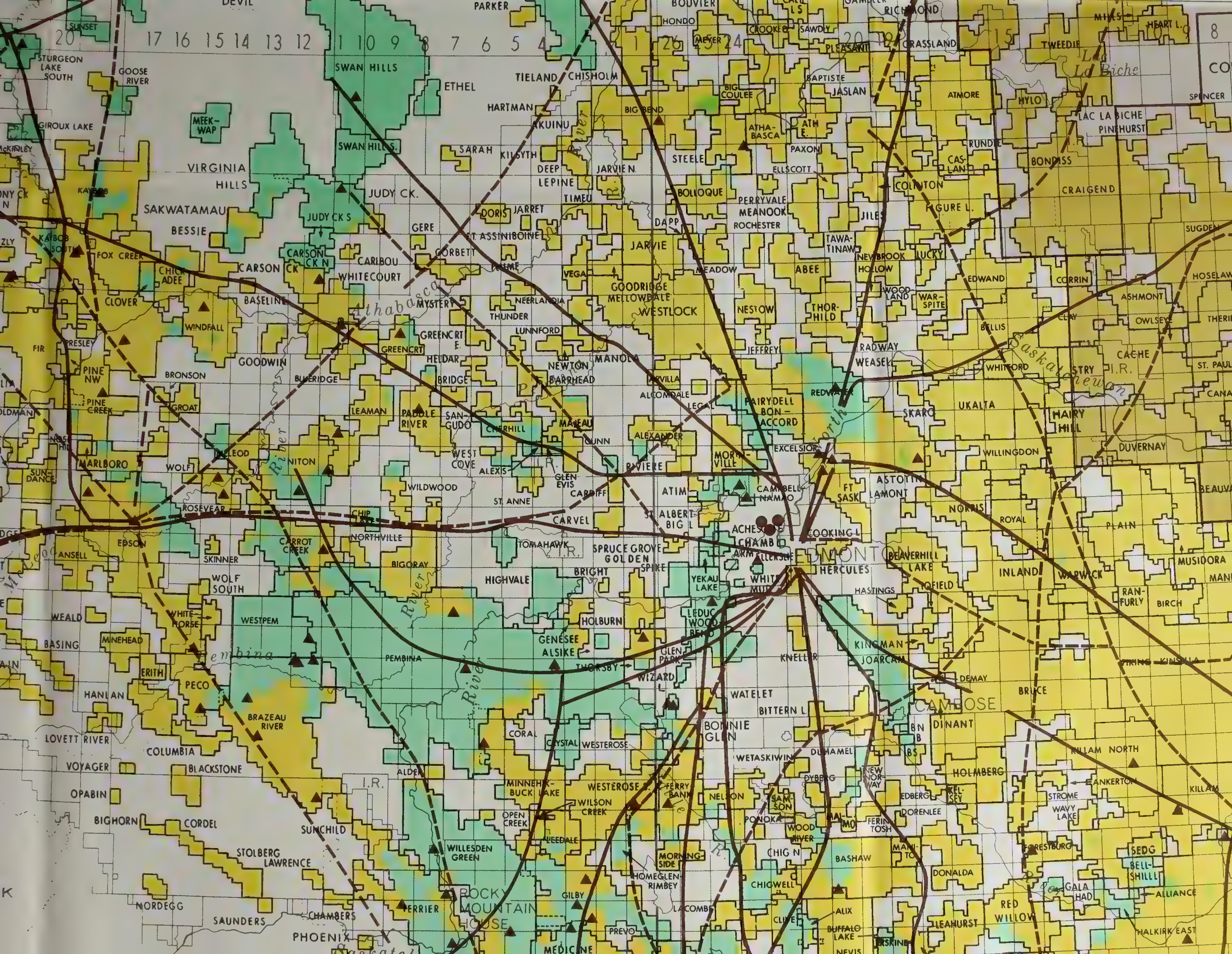

DEVIL
PARKER
BOUVIER
RICHMOND
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HONDO
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MEYER
PLEASANT
GRASSLAND
MILLS
HEART L.
TWEEDIE
Lac La Biche
STURGEON LAKE SOUTH
GOOSE RIVER
SWAN HILLS
ETHEL
TIELAND
CHISHOLM
BAPTISTE
JASLAN
ATMORE
HYLO
SPENCER
BIG COULEE
BIG BEND
MEEK-WAP
HARTMAN
AKUINU
ATHA-BASCA
ATH E.
LAC LA BICHE
PINEHURST
GIROUX LAKE
SWAN HILLS S.
SARAH
KILSYTH
DEEP
JARVIE N.
STEELE
PAXON
RUNDLE
CAS-LAN
BONNISS
VIRGINIA HILLS
LEPINE
ELLSCOTT
COLINTON
CRAIGEND
JUDY CK.
TIMEU
BOLLOQUE
PERRYVALE
MEANOOK
ROCHESTER
FIGURE L.
SAKWATAMAU
DORIS
JARRET
JILES
JUDY CK S
SUGDEN
BESSIE
GERE
ST. ASSINIBOINE
DAPP
KAYBOB
KAYBOB SOUTH
FOX CREEK
CARSON CK N
CORBETT
JARVIE
TAWA-TINAW
NEWBROOK
HOLLOW
LUCKY
CARIBOU
CARSON CK
WHITECOURT
VEGA
MEADOW
ABEE
EDWARD
CORRIN
HOSELAW
CHICK ADEE
GOODRIDGE
MELLOWDALE
WESTLOCK
WOOD LAND
WAR-SPITE
ASHMONT
BASELINE
Athabasca
MYSTERY
NEERLANDIA
NESTOW
THOR-HILD
CLOVER
THUNDER
CLAY
OWLSEYE
WINDFALL
GREENCRT
GREENCRT E.
LUNNFORD
BELLIS
THERIEN
FIR
PRESLEY
GOODWIN
HELDAR
MANOLA
JEFFREY
RADWAY
WEASEL
CACHE
ST. PAUL
BRONSON
NEWTON
BARRHEAD
ARVILLA
STRY
I.R.
PINE NW
BLUERIDGE
BRIDGE
ALCOMDALE
WHITFORD
Saskatchewan
REDWATER
CANA
PINE CREEK
GROAT
LEAMAN
PADDLE RIVER
SAN-GUDO
LEGAL
PAIRYDELL
BON-ACCORD
SKARO
UKALTA
HAIRY HILL
OLDMAN
CHERHILL
MAJEAU
ALEXANDER
North
MARLBORO
MCLEOD
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WEST COVE
GUNN
MORIN-VILLE
EXCELSIOR
WILLINGDON
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SUN-DANCE
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GLEN EVIS
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MUSIDORA
BIGORAY
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YEKAU LAKE
INLAND
WARWICK
WOLF SOUTH
HIGHVALE
WHITE MUD
OFIELD
RAN-FURLY
BIRCH
HASTINGS
WEALD
WHITE HORSE
WESTPEM
HOLBURN
LEDUC WOODBEND
BASING
MINEHEAD
Pembina
GENESEE
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KINGMAN
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JOARCAM
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DUHAMEL
KILLAM NORTH
VOYAGER
BLACKSTONE
ALDER
HOLMBERG
OPABIN
MINNEHIK-BUCK LAKE
WESTEROSE S.
FERRY BANK
NELSON
DYBERG
NEW NOR WAY
EDBERG
KEL-SEY
ANKERTON
STROME
WAVY LAKE
KILLAM
BIGHORN
OPEN CREEK
WILSON CREEK
SAM-SON
PONOKA
MAL-MO
DORENLEE
FERIN-TOSH
CORDEL
SUNCHILD
LEEDALE
WOOD RIVER
STOLBERG
LAWRENCE
WILLESDEN GREEN
MORNING-SIDE
CHIG N
BASHAW
MANI-TO
FORESTBURG
SEDG
BELL-SHILL
HOMEGLEN-RIMBEY
DONALDA
CHIGWELL
GALA HAD
ALLIANCE
ROCKY MOUNTAIN HOUSE
GILBY
FERRIER
NORDEGG
ALIX
RED WILLOW
SAUNDERS
CHAMBERS
LACOMBE
CLIVE
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PHOENIX
PREVO
NEVIS
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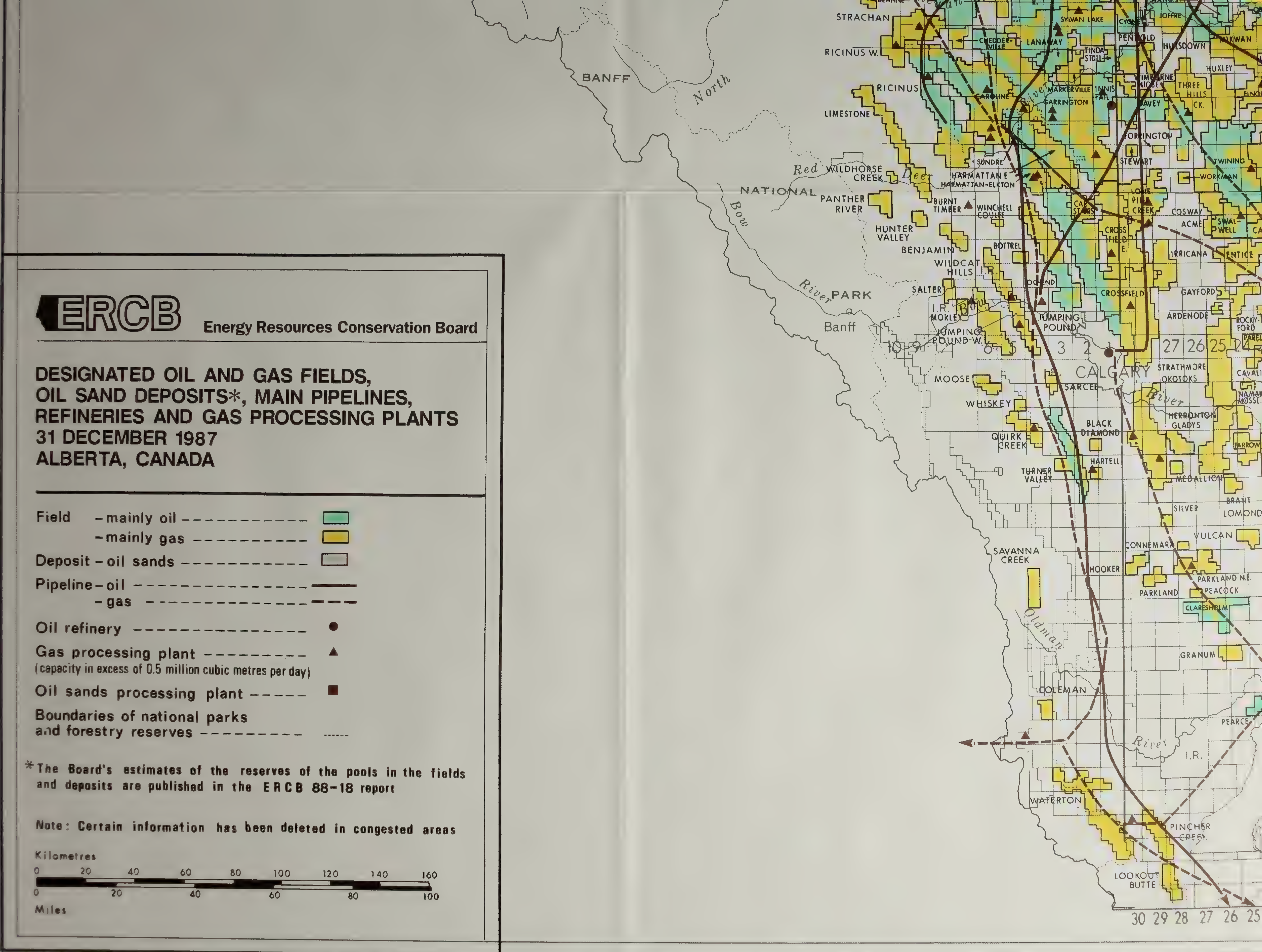
MEDICINE



ERCB Energy Resources Conservation Board

DESIGNATED OIL AND GAS FIELDS, OIL SAND DEPOSITS*, MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS
31 DECEMBER 1987
ALBERTA, CANADA

Field - mainly oil
- mainly gas

Deposit - oil sands

Pipeline - oil
- gas

Oil refinery

Gas processing plant
(capacity in excess of 0.5 million cubic metres per day)

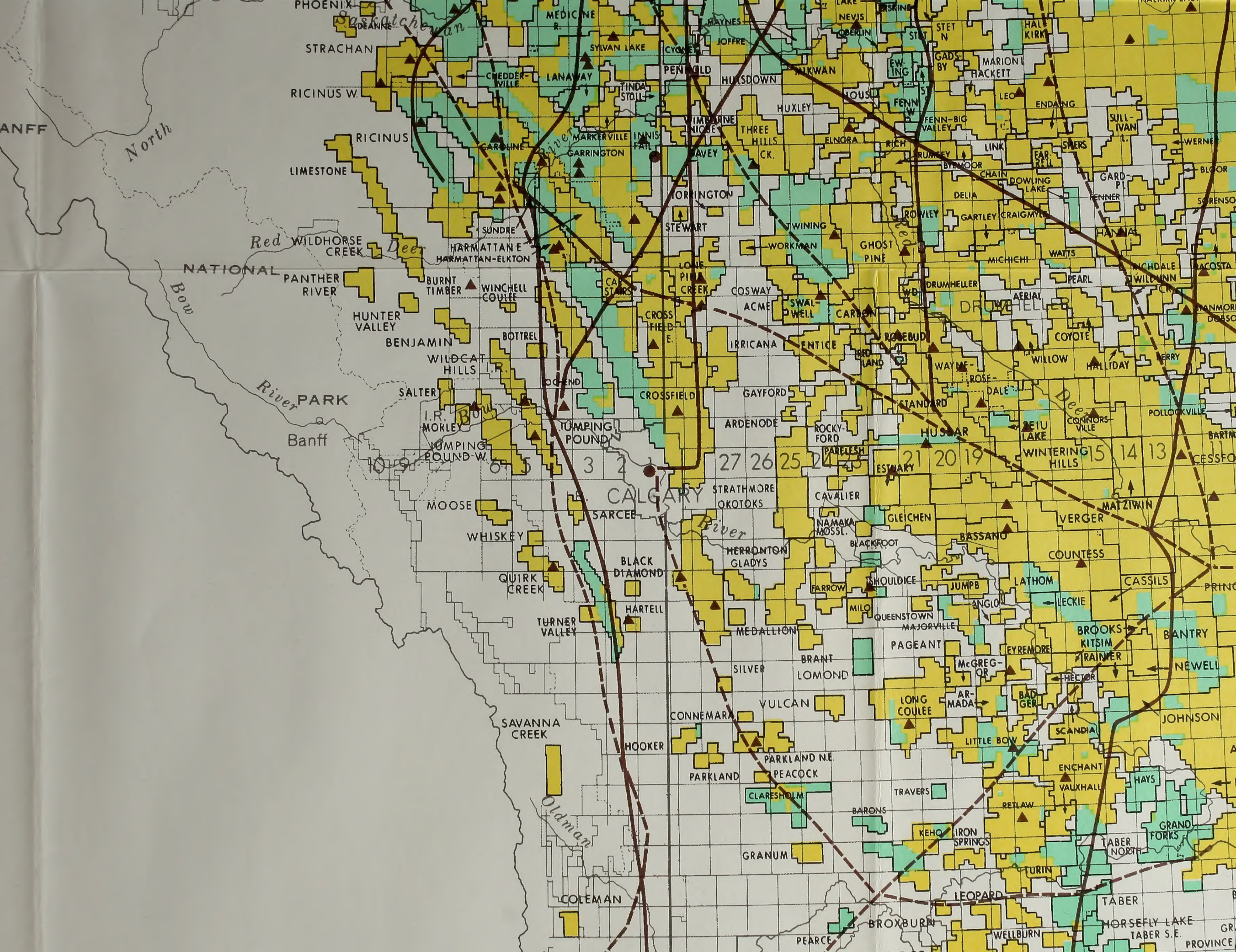
Oil sands processing plant

Boundaries of national parks and forestry reserves

* The Board's estimates of the reserves of the pools in the fields and deposits are published in the ERCB 88-18 report

Note: Certain information has been deleted in congested areas

Kilometres
0 20 40 60 80 100 120 140 160
0 20 40 60 80 100
Miles


PHOENIX
STRACHAN
RICINUS W.
BANFF
RICINUS
LIMESTONE
North
Red
WILDHORSE CREEK
Deer
NATIONAL
PANTHER RIVER
Bow
HUNTER VALLEY
BENJAMIN
WILDCAT HILLS
SALTER
River
PARK
Banff
I.R. MORLEY
JUMPING POUND W.
MOOSE
WHISKEY
QUIRK CREEK
TURNER VALLEY
SAVANNA CREEK
Oldman
COLEMAN
MEDICINE R.
SYLVAN LAKE
CHEDDERVILLE
LANAWAY
CAROLINE
MARKERVILLE
GARRINGTON
INNISFAIL
SUNDRE
HARMATTAN E
HARMATTAN-ELKTON
BURNT TIMBER
WINCHELL COULEE
BOTTREL
LOCHEND
JUMPING POUND
CALGARY
SARCEE
BLACK DIAMOND
HARTELL
HOOKER
PARKLAND
CONNEMARA
PARKLAND N.E.
PEACOCK
CLARESHOLM
GRANUM
PEARCE
BROXBURN
HAYNES
JOFFRE
NEVIS
ERSKINE
PENHOLD
HILLSDOWN
MIKWAN
HUXLEY
WIMBORNE
THREE HILLS CK.
DAVEY
ELNORA
TORRINGTON
STEWART
TWINING
WORKMAN
GHOST PINE
LONE PINE CREEK
COSWAY
ACME
CROSSFIELD E.
CROSSFIELD
IRRICANA
GAYFORD
ARDENODE
STRATHMORE
OKOTOKS
HERRONTON
GLADYS
MEDALLION
SILVER
BRANT
LOMOND
VULCAN
ROCKYFORD
CAVALIER
NAMAKA
MOSSL.
GLEICHEN
BLACKFOOT
FARROW
SHOULDICE
MILO
QUEENSTOWN
MAJORVILLE
PAGEANT
LONG COULEE
AR-MADA
McGREGOR
TRAVERS
BARONS
KEHO
IRON SPRINGS
TURIN
LEOPARD
WELLBURN
STETTLER
HALKIRK
GADSBY
MARION L.
HACKETT
LEO
ENDIANG
EWING
FENN-BIG VALLEY
RICH
RUMSEY
BYEMOOR
CHAIN
LINK
DOWLING LAKE
DELIA
ROWLEY
GARTLEY
CRAIGMYLE
MICHICHI
WATTS
DRUMHELLER
SWALWELL
CARBON
ROSEBUD
ENTICE
REDLAND
WAYNE-ROSEDALE
STANDARD
HUSSAR
ESTUARY
PARFLESH
SEIU LAKE
WINTERING HILLS
CONNORSVILLE
COYOTE
WILLOW
HALLIDAY
VERGER
MATZIWIN
BASSANO
COUNTESS
LATHOM
JUMPB
ANGLO
LECKIE
CASSILS
EYREMORE
BROOKS
KITSIM
RAINIER
HECTOR
BADGER
SCANDIA
LITTLE BOW
ENCHANT
VAUXHALL
RETLAW
HAYS
GRAND FORKS
TABER NORTH
TABER
HORSEFLY LAKE
TABER S.E.
BANTRY
NEWELL
JOHNSON
SULLIVAN L.
WERNER
BLOOR
FENNER
SPIERS
GARDEN PLAIN
HANNA
RICHDALE
PEARL
AERIAL
POLLOCKVILLE
CESSFORD
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